

CA30NHWR04

C11 BOOK 1

1982-86

~~BOOK 1~~


1982-86 CAPITAL BUDGET

DETAIL SHEETS

The Regional Municipality



of Hamilton-Wentworth



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FIVE YEAR CAPITAL BUDGET

1982 - 1986

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GOVERNMENT DOCUMENTS

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35056
File Number: 813-06

Financial Report Page: 1
Appendix Page: A8

Project Description

Mill Street South, Township of
Flamborough, Mountain Brown Road to
Hwy. 5

Minor Realignment of Road Replacement
of One Structure and Slope
Stabilization

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	114,000
Construction	807,000
Other	

TOTAL 921,000

Subsidy R.S.	421,000
Contributions	

TOTAL 421,000

Net Cost	500,000
----------	---------

Amount to be Financed:	
Regional	500,000
Property Owners	
Other	

TOTAL 500,000

Need for Project

- Critical horizontal and vertical alignment
- Critical structural deficiency of road

Additional Information

- Structure over Grindstone Creek completed in 1978
- Land acquired in 1980 for road project

Map to Locate Project



Cash Flow

O.M.B. Required 1979

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	406,000	334,000	740,000
1982			
1983			
1984	94,000	87,000	181,000
1985			
1986			
1987 & After			
TOTAL	500,000	421,000	921,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	NIL



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35046
File Number: 802-05

Financial Report Page: 1
Appendix Page: A18

Project Description

Brock Road, Flamborough, Hwy. 8 to Hwy. 5, Hwy. 5 to Harvest Road Realignment and Reconstruction, including Land Acquisition

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	330,500
Construction	1,290,000
Other (Utilities)	20,000
TOTAL	1,640,500

Subsidy R.S.	653,600
Contributions M.T.C.	347,500
TOTAL	1,001,100

Net Cost 639,400

Amount to be Financed:	
Regional	639,400
Property Owners	
Other	
TOTAL	639,400

Need for Project

- Poor geometrics in Greensville and Hwy. 5 intersection
- Need to alleviate severe accident situation
- Need to provide for additional capacity

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1979

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	639,400	903,100	1,543,500
1982		98,000	98,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	639,400	1,001,100	1,640,500

Effect on Current Budget

Debt Charges	_____
Annual Costs	_____
TOTAL	NIL



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35054
File Number: 306-06

Financial Report Page: 1
Appendix Page: A12

Project Description

Fruitland Road, Stoney Creek, Barton Street to Hwy. 8

Study will be undertaken to determine if widening should take place on existing roadway. Project to include land acquisition and roadway construction.

Municipality

Stoney Creek

Capital Cost Estimate

Design (Study)	32,000
Land	189,000
Construction	1,089,000
Other	

TOTAL 1,310,000

Subsidy R.S. Contributions	613,000
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TOTAL 613,000

Net Cost	697,000
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Amount to be Financed:	
Regional	697,000
Property Owners	
Other	

TOTAL 697,000

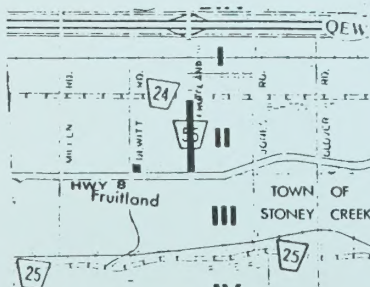
Need for Project

- Interchange at Q.E.W. necessitates increase in traffic service
- Will be contingent on the rate of development of the Town of Stoney Creek
- Need for additional mountain access to be accessed upon completion of Official Plan and Freeway Study

Additional Information

- Escarpment accessibility study - 1980 (McCormick, Rankin & Assoc.)
- Region's Share: 13,333
- Town of Stoney Creek's Share: 6,666
- Reconstruction of existing road in conjunction with installation of sewers in 1982

Map to Locate Project



Cash Flow

O.M.B. Required 1984

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	199,500	14,500	213,500
1982	41,000	34,000	75,000
1983			
1984			
1985			
1986			
1987 & After	456,500	564,500	1,022,000
TOTAL	697,000	613,000	1,310,000

Effect on Current Budget

Debt Charges	
Annual Costs	20,000
TOTAL	20,000



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering

Function: Transportation Services

Project Number: 35007, 35048 & 35099

File Number: 802-08, 802-09, 802-18

Financial Report Page: 1

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Project Description

Barton Street, Stoney Creek, Green Road to Fruitland Road

Land Acquisition to acquire an 86' Right of Way - Widening to Four Lanes and Complete Reconstruction

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	304,000
Construction	2,569,000
Other	
TOTAL	2,873,000

Subsidy R.S.	903,500
Contributions M.T.C.	417,200
TOTAL	1,320,700

Net Cost 1,552,300

Amount to be Financed:	
Regional	1,552,300
Property Owners	
Other	
TOTAL	1,552,300

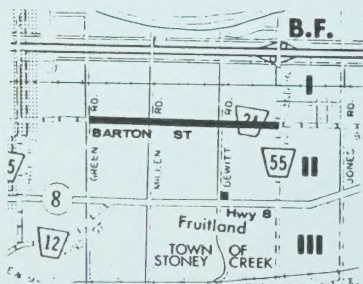
Need for Project

- Continued eastward urbanization of Stoney Creek
- Continued industrial development

Additional Information

- Project has been broken into two phases:
 - a) Green to Millen (Construction completed) (737,500)
 - b) Millen to Fruitland (continuing Land Acquisition) (392,900)

Map to Locate Project



Cash Flow

O.M.B. Required 1980

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	554,800	417,200	972,000
1982			
1983	10,000	10,000	20,000
1984	503,200	446,800	950,000
1985			
1986			
1987 & After	484,300	446,700	931,000
TOTAL	1,552,300	1,320,700	2,873,000

Effect on Current Budget

Debt Charges

Annual Costs

15,000
TOTAL 15,000



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35087
File Number: 807-02

Financial Report Page: 1
Appendix Page:

Project Description

Gray's Road - City of Hamilton
Arvin Avenue to the Q.E.W.

Complete Reconstruction and Widening
to Four Lanes, including Grade Separation
at the C.N. Mainline

Municipality

City of Hamilton

Capital Cost Estimate

Design	
Land	210,000
Construction	1,857,950
Other*	306,000
TOTAL	2,373,950

Subsidy M.T.C.	243,072
Contributions **	1,668,874
TOTAL	1,911,946

Net Cost 462,004

Amount to be Financed:	
Regional	
Property Owners	462,004
Other	
TOTAL	462,004

Need for Project

- Need to provide for continued industrial development
- Roadway structurally deficient
- Need to Grade Separate the C.N. Mainline

Additional Information

* Study	20,000
Utilities	181,000
Engineering	105,000
	<u>306,000</u>

** C.R.G.C.F.	1,571,590
C.N.R.	62,500
Utilities	34,784
	<u>1,668,874</u>

Map to Locate Project



Cash Flow

O.M.B. Required 1979

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	263,300	162,700	426,000
1982	198,704	1,749,246	1,947,950
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	462,004	1,911,946	2,373,950

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL NILL



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35082
File Number: 802-21

Financial Report Page: 2
Appendix Page: All

Project Description

Burlington Street - City of Hamilton
Strathairne Avenue to Woodward Avenue

Complete Reconstruction and Widening,
including Intersection Improvement at
Parkdale and Strathairne Avenues and a
Grade Separation of the C.N.R./T.H. & B.
Industrial Track

Municipality

City of Hamilton

Capital Cost Estimate

Design	750,000
Land	1,000,000
Construction	28,746,600
Other *	1,777,000
TOTAL	32,273,600

Subsidy R.S.	7,348,200
Contributions **	17,162,100
TOTAL	24,510,300

Net Cost 7,763,300

Amount to be Financed:	
Regional	7,763,300
Property Owners	
Other	
TOTAL	7,763,300

Need for Project

- Need to provide additional roadway capacity
- Roadway structurally deficient
- Need to provide adequate service to industry

Additional Information

* Study	50,000
Utilities	400,000
Engineering	1,327,000
	1,777,000
** U.T.A.P.	3,500,000
M.T.C. Special	13,311,700
M.T.C. Compensation	350,400
	17,162,100

Map to Locate Project



Cash Flow

O.M.B. Required 1978

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	1,766,700	3,742,300	5,509,000
1982	3,398,200	12,258,100	15,656,300
1983	2,291,900	7,098,800	9,390,700
1984	306,500	1,411,100	1,717,600
1985			
1986			
1987 & After			
TOTAL	7,763,300	24,510,300	32,273,600

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35112
File Number: 811-07

Financial Report Page: 2
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Project Description

King Street, Stoney Creek
Stoney Brook Drive to Hwy. 8
Stoney Brook Drive to Hwy. 8
Widening and Reconstruction of King Street

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	140,000
Construction	753,000
Other	

TOTAL

Subsidy R.S.	349,000
Contributions	

TOTAL

Net Cost	544,000
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Amount to be Financed:	
Regional	544,000
Property Owners	
Other	

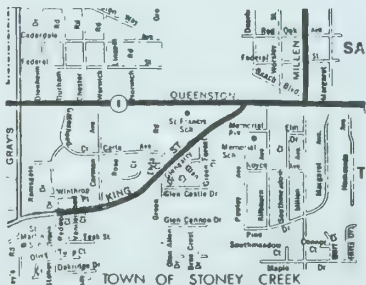
TOTAL

Need for Project

- Need to provide additional roadway capacity
- Roadway structurally deficient

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1986

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	45,000	45,000	90,000
1983			
1984	25,000		25,000
1985	25,000		25,000
1986	449,000	304,000	753,000
1987 & After			
TOTAL	544,000	349,000	893,000

Effect on Current Budget

Debt Charges

Annual Costs

10,000
TOTAL 10,000



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35083
File Number: T100-02

Financial Report Page: 2
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Project Description

Mountain East/West, North/South Freeway
Proposed Roadway Construction across the Mountain and Niagara Escarpment from Hwy. #403, Ancaster to the Q.E.W. in East Hamilton

Municipality

Ancaster
Hamilton

Capital Cost Estimate

Design	
Land	10,700,000
Construction	
Other	
TOTAL	10,700,000

Subsidy R.S.	9,726,300
Contributions	
TOTAL	9,726,300

Net Cost	973,700
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Amount to be Financed:	
Regional	973,700
Property Owners	
Other	
TOTAL	973,700

Need for Project

- As designated in the Regional Official Plan

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget		1,825,000	1,825,000
1982	150,000	1,250,000	1,400,000
1983	150,000	1,250,000	1,400,000
1984	150,000	1,250,000	1,400,000
1985	150,000	1,250,000	1,400,000
1986	373,700	2,901,300	3,275,000
1987 & After			
TOTAL	973,700	9,726,300	10,700,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35043
File Number: 813-37

Financial Report Page: 2
Appendix Page:

Project Description

Mohawk Road at Upper Gage Avenue
Complete Reconstruction and
Channelization of the Intersection

Municipality

City of Hamilton

Capital Cost Estimate

Design	
Land	40,000
Construction	514,000
Other	
TOTAL	544,000
Subsidy R.S.	277,000
Contributions	
TOTAL	277,000
Net Cost	277,000
Amount to be Financed:	
Regional	277,000
Property Owners	
Other	
TOTAL	277,000

Need for Project

- Need to provide for additional
intersection capacity and safety

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

	Region	Other Contrib	Total
Prior			
To Budget	277,000	265,000	542,000
1982		12,000	12,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	277,000	277,000	544,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35042
File Number: 813-29

Financial Report Page: 2
Appendix Page:

Project Description

Mohawk Road at Upper Sherman Avenue -
City of Hamilton

Complete Reconstruction and
Channelization of Intersection

Municipality

City of Hamilton

Capital Cost Estimate

Design	
Land	105,000
Construction	566,000
Other	

TOTAL 671,000

Subsidy R.S.	318,000
Contributions	

TOTAL 318,000

Net Cost 353,000

Amount to be Financed:	
Regional	353,000
Property Owners	
Other	

TOTAL 353,000

Need for Project

- Need to provide for additional
intersection capacity

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1979

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	353,000	318,000	671,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	353,000	318,000	671,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35055
File Number: 813-31

Financial Report Page: 2
Appendix Page: A8

Project Description

Mohawk Road at McNiven Road
Complete Reconstruction and
Channelization of Intersection

Municipality

Town of Ancaster

Capital Cost Estimate

Design	
Land	42,000
Construction	553,800
Other	
TOTAL	575,800
Subsidy R.S. Contributions	261,300
TOTAL	261,300
Net Cost	314,500
Amount to be Financed:	
Regional	314,500
Property Owners	
Other	
TOTAL	314,500

Need for Project

- Need to provide for safe crossing of
vehicles and pedestrians

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1979

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	296,100	247,000	543,100
1982	18,400	14,300	32,700
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	314,500	261,300	575,800

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

13

1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35166
File Number:

Financial Report Page: 3
Appendix Page: A8

Project Description

Fennell Avenue at Upper Gage Avenue
Complete Reconstruction and
Channelization of the Intersection

Municipality

City of Hamilton

Capital Cost Estimate

Design	
Land	107,000
Construction	462,000
Other	

TOTAL	569,000
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Subsidy R.S.	271,800
Contributions	

TOTAL	271,800
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Net Cost	297,200
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Amount to be Financed:	
Regional	
Property Owners	297,200
Other	

TOTAL	297,200
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Need for Project

- Need to provide for additional roadway capacity

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1980

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	68,500	38,500	107,000
1982	21,000	21,000	42,000
1983	20,000	35,000	55,000
1984	187,700	177,300	365,000
1985			
1986			
1987 & After			
TOTAL	297,200	271,800	569,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35120
File Number: 806-11

Financial Report Page: 3
Appendix Page: A8

Project Description

Fennell Avenue at Upper Sherman Avenue
Complete Reconstruction and
Channelization of the Intersection

Municipality

City of Hamilton

Capital Cost Estimate

Design	
Land	102,000
Construction	442,000
Other	
TOTAL	544,000

Subsidy R.S.
Contributions

TOTAL 266,500

Net Cost **277,500**

Amount to be Financed:
Regional 277,500
Property Owners
Other

TOTAL 277,500

Need for Project

- Need to provide for additional
intersection capacity and safety

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	68,000	36,500	104,500
1982	17,500	49,000	66,500
1983			
1984	16,500	16,500	33,000
1985	175,500	164,500	340,000
1986			
1987 & After			
TOTAL	277,500	266,500	544,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL NIL



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36004
File Number:

Financial Report Page: 3
Appendix Page:

Project Description

Upper Sherman Avenue - City of Hamilton
Berko Avenue to Limeridge Road
Construction and Widening to Four Lanes

Municipality

City of Hamilton

Capital Cost Estimate

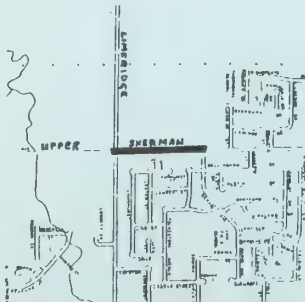
Design	
Land	
Construction	428,500
Other	
TOTAL	428,500
Subsidy R.S.	207,600
Contributions	
TOTAL	207,600
Net Cost	220,900
Amount to be Financed:	
Regional	220,900
Property Owners	
Other	
TOTAL	220,900

Need for Project

- Need to provide for anticipated growth trend
- Roadway structurally deficient

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	220,900	181,600	402,500
1982		26,000	26,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	220,900	207,600	428,500

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL _____



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36008
File Number: 806-20

Financial Report Page: 3
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Project Description

Fennell Avenue at Upper Ottawa Street
Complete Reconstruction and
Channelization of the Intersection

Municipality

City of Hamilton

Capital Cost Estimate

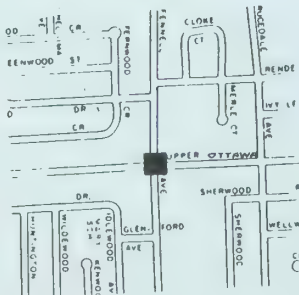
Design	
Land	41,000
Construction	440,000
Other	
TOTAL	481,000
Subsidy R.S.	234,800
Contributions	
TOTAL	234,800
Net Cost	246,200
Amount to be Financed:	
Regional	
Property Owners	246,200
Other	
TOTAL	246,200

Need for Project

- Need to provide for additional intersection capacity
- Roadway structurally deficient

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1984

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	20,500		20,500
1982	16,000	16,000	32,000
1983			
1984	14,000	34,500	48,500
1985	195,700	184,300	380,000
1986			
1987 & After			
TOTAL	246,200	234,800	481,000

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL _____



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35165
File Number: 813-08
813-22

Financial Report Page: 3
Appendix Page: A14

Project Description

Mud Street, Stoney Creek
Hwy. #20 to Mount Albion Road
Hamilton East City Limits to Hwy. #20

Widening Road Allowance to 200 Feet and
Roadway Construction

Municipality

Stoney Creek

Capital Cost Estimate

Design	750,000
Land	2,250,000
Construction	
Other	

TOTAL 3,000,000

Subsidy R.S.	1,431,200
Contributions	

TOTAL 1,431,200

Net Cost 1,568,800

Amount to be Financed:	
Regional	
Property Owners	1,568,800
Other	

TOTAL 1,568,800

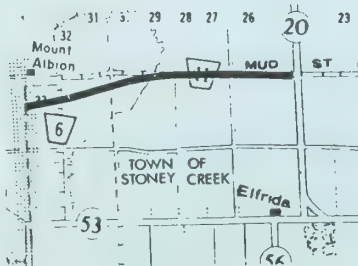
Need for Project

- Saltfleet Community Development
- Contingent on decisions regarding the Mountain east/west and north/south freeway

Additional Information

- Property acquisition, easterly from Sir Isaac Brock, continuing
- 1981 construction for Mud and Paramount intersection

Map to Locate Project



Cash Flow

O.M.B. Required 1988

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	347,800	268,000	675,800
1982		36,000	36,000
1983			
1984			
1985			
1986			
1987 & After	1,221,100	1,127,100	2,348,200
TOTAL	1,568,900	1,431,100	3,000,000

Effect on Current Budget

Debt Charges	
Annual Costs	15,000
TOTAL	15,000



FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36009
File Number: 813-39

Financial Report Page: 3
Appendix Page: A8

Project Description

Mohawk Road at Upper Ottawa Street
Complete Reconstruction and
Channelization of the Intersection

Municipality

City of Hamilton

Capital Cost Estimate

Design	11,000
Land	67,000
Construction	475,000
Other	

TOTAL	553,000
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Subsidy R.S. Contributions	264,000
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TOTAL	264,000
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Net Cost	289,000
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Amount to be Financed:	
Regional	289,000
Property Owners	
Other	

TOTAL	289,000
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Need for Project

- Need to provide for additional
intersect capacity and safety

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	11,000		11,000
1982			
1983			
1984			
1985	34,000		34,000
1986	244,000	264,000	508,000
1987 & After			
TOTAL	289,000	264,000	553,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL	Nil
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FIVE YEAR CAPITAL BUDGET

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1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 35182
File Number: 813-35

Financial Report Page: 4
Appendix Page: A8

Project Description

Main Street West
Paradise Road to Haddon
Widening and Channelization

Municipality

City of Hamilton

Capital Cost Estimate

Design	15,000
Land	106,800
Construction	857,000
Other	

TOTAL	978,800
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Subsidy R.S. Contributions	465,900
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TOTAL	465,900
-------	---------

Net Cost	512,900
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Amount to be Financed:	
Regional	512,900
Property Owners	
Other	

TOTAL	512,900
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Need for Project

- Need to provide additional
roadway capacity

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	9,000		9,000
1982	6,000	4,000	10,000
1983			
1984			
1985	50,000	50,900	100,900
1986	41,900	41,000	82,900
1987 & After	406,000	370,000	776,000
TOTAL	512,900	465,900	978,800

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	Nil



FIVE YEAR CAPITAL BUDGET

20

1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36011
File Number:

Financial Report Page: 4
Appendix Page: A13

Project Description

Airport Access Roads - Town of Ancaster and Township of Glancaster

Intersection Improvements, Road Closures and Construction of Extension to Airport Road

Road Closure: Glancaster Road

Intersection Improvements: Fiddler's Green and Butter Road, Glancaster Road and Dickinson Road, Dickinson Road and Hwy. #6

Extension of Airport Road to Butter Road Municipality

Capital Cost Estimate

Design	
Land	84,200
Construction	959,800
Other	
TOTAL	1,044,000
Subsidy R.S.	204,900
Contributions FED.	634,100
TOTAL	839,000
Net Cost	205,000
Amount to be Financed:	
Regional	
Property Owners	205,000
Other	
TOTAL	205,000

Need for Project

- Need to provide improved facilities for airport
- Need to provide alternative routing when roads are closed to accommodate new runway

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	16,900	67,300	84,200
1983	112,900	463,000	575,900
1984	75,200	308,700	383,900
1985			
1986			
1987 & After			
TOTAL	205,00	839,000	1,044,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

21

1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36010
File Number: T112-04

Financial Report Page: 4
Appendix Page: A15

Project Description

Fiddler's Green Road, Ancaster, Hwy. 403
Partial Interchange by the M.T.C. and
Widening to Hwy. #53

M.T.C. will construct a Partial
Interchange. Region will participate in
Widening of Fiddler's Green Road to
Hwy. #53

Municipality

Capital Cost Estimate

Design	30,000
Land	
Construction	100,000
Other	

TOTAL	130,000
-------	---------

Subsidy	R.S.	63,000
Contributions		

TOTAL	63,000
-------	--------

Net Cost	67,000
----------	--------

Amount to be Financed:	
Regional	67,000
Property Owners	
Other	

TOTAL	67,000
-------	--------

Need for Project

- Request by Town of Ancaster to the Ministry for a partial interchange
- Need to provide link to alternate route to expanded airport

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983	15,000	15,000	30,000
1984	52,000	48,000	100,000
1985			
1986			
1987 & After			
TOTAL	67,000	63,000	130,000

Effect on Current Budget

Debt Charges	_____
Annual Costs	_____
TOTAL	_____



FIVE YEAR CAPITAL BUDGET

22

1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36012
File Number:

Financial Report Page: 4
Appendix Page: A8

Project Description

Mohawk Road - Upper Wellington to Upper
Wentworth Street - City of Hamilton

Widening and Reconstruction

Municipality

Capital Cost Estimate

Design	
Land	
Construction	525,000
Other	

TOTAL	525,000
-------	---------

Subsidy R.S.	
Contributions	257,200

TOTAL	257,200
-------	---------

Net Cost	267,800
----------	---------

Amount to be Financed:	
Regional	
Property Owners	267,800
Other	

TOTAL	267,800
-------	---------

Need for Project

- Roadway structurally deficient
- Roadway width substandard

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1984

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984	214,200	205,800	420,000
1985	53,600	51,400	105,000
1986			
1987 & After			
TOTAL	267,800	257,200	525,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

1982 - 1986

23

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36013
File Number: 803-23

Financial Report Page: 4
Appendix Page:

Project Description

Cannon Street - Wellington Street to
Bay Street - City of Hamilton
Complete Reconstruction

Municipality

Capital Cost Estimate

Design	
Land	
Construction	800,000
Other	

TOTAL	800,000
-------	---------

Subsidy R.S.	360,000
Contributions	

TOTAL	360,000
-------	---------

Net Cost	440,000
----------	---------

Amount to be Financed:	
Regional	
Property Owners	440,000
Other	

TOTAL	440,000
-------	---------

Need for Project

- Roadway structurally deficient
- Roadway width substandard

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985	440,000	360,000	800,000
1986			
1987 & After			
TOTAL	440,000	360,000	800,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

24

1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36014
File Number:

Financial Report Page: 4
Appendix Page: A8

Project Description

Upper Gage Avenue - Concession Street
to Mohawk Road - City of Hamilton

Complete Reconstruction

Municipality

Capital Cost Estimate

Design
Land
Construction 850,000
Other

TOTAL 850,000

Subsidy R.S.
Contributions 412,300

TOTAL 412,300

Net Cost 437,700

Amount to be Financed:
Regional
Property Owners 437,700
Other

TOTAL 437,700

Need for Project

- Roadway structurally deficient

Additional Information

- Intersection improvement - Upper Gage
and Mohawk constructed in 1981

- Intersection improvement - Upper Gage
and Fennell will be constructed in
1984

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985			
1986	437,700	412,300	850,000
1987 & After			
TOTAL	437,700	412,300	850,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

25

1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36154
File Number: 802-25

Financial Report Page: 5
Appendix Page:

Project Description

Bay Street, Herkimer Street to Hunter Street - City of Hamilton

Reconstruction and Widening in conjunction with Sewer Works

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	314,000
Other	
TOTAL	314,000
Subsidy R.S. Contributions	150,800
TOTAL	150,800
Net Cost	163,200
Amount to be Financed:	
Regional	
Property Owners	163,200
Other	
TOTAL	163,200

Need for Project

- Critical deficiency in road width
- Critical structural deficiency of road

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1987

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985			
1986			
1987 & After	163,200	150,800	314,000
TOTAL	163,200	150,800	314,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

26

1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36159
File Number:

Financial Report Page: 5
Appendix Page: A13

Project Description

Upper Ottawa Street - Stone Church Road
to Rymal Road - City of Hamilton

Complete Reconstruction and Widening
to Four (4) Lanes

Municipality

Hamilton

Capital Cost Estimate

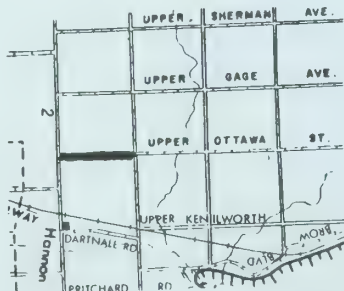
Design	
Land	
Construction	470,000
Other	
TOTAL	470,000
Subsidy R.S.	
Contributions	225,600
TOTAL	225,600
Net Cost	244,400
Amount to be Financed:	
Regional	
Property Owners	244,400
Other	
TOTAL	244,400

Need for Project

- Provide improved service for Mountain industrial lands.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	244,400	225,600	470,000
1987 & After			
TOTAL	244,400	225,600	470,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

27

1982 - 1986

Department/Agency: Engineering
Function: Transportation Services

Project Number: 36158
File Number:

Financial Report Page: 5
Appendix Page: A14

Project Description

Upper Gage Avenue - City of Hamilton
Thorly Avenue to 500 Feet North of
Stone Church Road

Staged Construction and Widening to
4 Lanes

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	623,500
Other	
TOTAL	623,500
Subsidy R.S.	299,100
Contributions	
TOTAL	299,100
Net Cost	324,400
Amount to be Financed:	
Regional	324,400
Property Owners	
Other	
TOTAL	324,400

Need for Project

- Need to provide for anticipated growth trend
- Roadway structurally deficient

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required	1987		
Expenditures:	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985			
1986			
1987 & After	324,400	299,100	623,500
TOTAL	324,400	299,100	623,500

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL _____



FIVE YEAR CAPITAL BUDGET

28

1982 - 1986

Department/Agency: Conservation
Authority
Function: Confederation Park

Project Number:

File Number:

Financial Report Page: 6

Appendix Page:

Project Description

Wave Action Pool

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	3,150,000
Other	
TOTAL	3,150,000

Subsidy	Wintario	
Contributions	Grant	1,333,000
TOTAL		NIL

Net Cost	1,817,000
----------	-----------

Amount to be Financed:	
Regional C.L.	1,817,000
Property Owners	
Other	
TOTAL	1,817,000

Need for Project

- To provide a viable recreation facility for residents of the Region to promote tourism

Additional Information

- Funds to be made available internally and repaid over five years

Map to Locate Project

Cash Flow

O.M.B. Required 1982

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982	800,000		800,000
1983	167,000	1,333,000	1,500,000
1984	850,000		850,000
1985			
1986			
1987 & After			
TOTAL	1,817,000	1,333,000	3,150,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

29A

1982 - 1986

Department/Agency: Social Services
Function: Homes for the Aged

Project Number: N5102
File Number:

Financial Report Page: 7
Appendix Page:

Project Description

Macassa Lodge Alteration and Additions

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	950,000
Construction	
Other	

TOTAL	950,000
-------	---------

Subsidy Provincial	450,000
Contributions	

TOTAL	450,000
-------	---------

Net Cost	500,000
----------	---------

Amount to be Financed:	
Regional St. S.R.	500,000
Property Owners	
Other	

TOTAL	500,000
-------	---------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	180,000	427,000	607,000
1982	320,000	23,000	343,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	500,000	450,000	950,000

Effect on Current Budget

Debt Charges	65,000
Annual Costs	
TOTAL	65,000



FIVE YEAR CAPITAL BUDGET

29B

1982 - 1986

Department/Agency: Social Services

Function: Homes for the Ages

Project Number: N5103

File Number:

Financial Report Page: 7

Appendix Page:

Project Description

Proposed Lodge - Stoney Creek -
Land Acquisition

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	200,000
Construction	
Other	

TOTAL	200,000
-------	---------

Subsidy M.C.S.C.	100,000
Contributions	

TOTAL	100,000
-------	---------

Net Cost	100,000
----------	---------

Amount to be Financed:	
Regional St. S.R.	100,000
Property Owners	
Other	

TOTAL	100,000
-------	---------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Prior	Region	Other	Total
To Budget		Contrib	
1982			
1983			
1984			
1985	100,000	100,000	200,000
1986			
1987 & After			
TOTAL	100,000	100,000	200,000

Effect on Current Budget

Debt Charges	21,500
Annual Costs	
TOTAL	21,500



FIVE YEAR CAPITAL BUDGET

1982 - 1986

29C

Department/Agency: Social Services
Function: Homes for the Aged

Project Number: N6103A
File Number:

Financial Report Page: 7
Appendix Page:

Project Description

Proposed Lodge - Stoney Creek -
Construction and Furnishings

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	3,800,000
Other	
TOTAL	3,800,000
Subsidy M.C.SS	1,900,000
Contributions	
TOTAL	1,900,000
Net Cost	1,900,000
Amount to be Financed:	
Regional St. S. R.	1,900,000
Property Owners	
Other	
TOTAL	1,900,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986			
1987 & After	1,900,000	1,900,000	3,800,000
TOTAL	1,900,000	1,900,000	3,800,000

Effect on Current Budget

Debt Charges	407,800
Annual Costs	
TOTAL	407,800



FIVE YEAR CAPITAL BUDGET

30

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R4250
File Number:

Financial Report Page: 8
Appendix Page:

Project Description

Land Acquisition - 1974

Municipality

Capital Cost Estimate

Design
Land 300,000
Construction
Other

TOTAL 300,000

Subsidy
Contributions

TOTAL NIL

Net Cost 300,000

Amount to be Financed:
Regional C.L. 300,000
Property Owners

Other
TOTAL 300,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

Prior	Region	Other	Total
To Budget		Contrib	
1982	300,000		300,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	300,000		300,000

1982
1983
1984
1985
1986
1987 & After

TOTAL 300,000 300,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

31

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R5250
File Number:

Financial Report Page: 8
Appendix Page:

Project Description

Land Acquisition - 1975

Municipality

Capital Cost Estimate

Design
Land 1,000,000
Construction
Other

TOTAL 1,000,000

Subsidy
Contributions

TOTAL NIL

Net Cost 1,000,000

Amount to be Financed:
Regional C.L. 1,000,000
Property Owners
Other

TOTAL 1,000,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	1,000,000	1,000,000	1,000,000

1982

1983

1984

1985

1986

1987 & After

TOTAL	1,000,000		1,000,000
-------	-----------	--	-----------

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

32

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R6250
File Number:

Financial Report Page: 8
Appendix Page:

Project Description

Land Acquisition - 1976

Municipality

Capital Cost Estimate

Design
Land 2,200,000
Construction
Other

TOTAL 2,200,000

Subsidy
Contributions

TOTAL NIL

Net Cost

2,200,000

Amount to be Financed:

Regional C.L. 2,200,000
Property Owners
Other

TOTAL 2,200,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	2,200,000		2,200,000

1982
1983
1984
1985
1986
1987 & After

TOTAL 2,200,000 2,200,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

33

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R7250
File Number:

Financial Report Page: 8
Appendix Page:

Project Description

Land Acquisition - 1977

Municipality

Capital Cost Estimate

Design	
Land	375,000
Construction	
Other	

TOTAL	375,000
-------	---------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost

375,000

Amount to be Financed:

Regional C.L.	375,000
Property Owners	
Other	

TOTAL	375,000
-------	---------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget	375,000		375,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	375,000		375,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

34

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R8250
File Number:

Financial Report Page: 8
Appendix Page:

Project Description

Land Acquisition - 1978

Municipality

Capital Cost Estimate

Design	
Land	919,000
Construction	
Other	

TOTAL	919,000
-------	---------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost	919,000
----------	---------

Amount to be Financed:	
Regional C.L.	919,000
Property Owners	
Other	

TOTAL	919,000
-------	---------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	919,000		919,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	919,000		919,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

35

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R9250
File Number:

Financial Report Page: 8
Appendix Page:

Project Description

Land Acquisition - 1979

Municipality

Capital Cost Estimate

Design	
Land	566,000
Construction	
Other	
TOTAL	566,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	566,000
----------	---------

Amount to be Financed:	
Regional C.L.	566,000
Property Owners	
Other	
TOTAL	566,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required
Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget	566,000		566,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	566,000		566,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

36

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R10250
File Number:

Financial Report Page: 9
Appendix Page:

Project Description

Land Acquisition - 1980

Municipality

Capital Cost Estimate

Design
Land 1,000,000
Construction
Other

TOTAL 1,000,000

Subsidy
Contributions

TOTAL NIL

Net Cost 1,000,000

Amount to be Financed:
Regional C.L. 1,000,000

Property Owners
Other

TOTAL 1,000,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

Prior	Region	Other Contrib	Total
To Budget	1,000,000		1,000,000

1982

1983

1984

1985

1986

1987 & After

TOTAL	1,000,000		1,000,000
-------	-----------	--	-----------

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

37

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R11250
File Number:

Financial Report Page: 9
Appendix Page:

Project Description

Land Acquisition - 1981

Municipality

Capital Cost Estimate

Design	
Land	342,000
Construction	
Other	

TOTAL	342,000
-------	---------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost	342,000
----------	---------

Amount to be Financed:	
Regional C.L.	342,000
Property Owners	
Other	

TOTAL	342,000
-------	---------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required
Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	342,000		342,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	342,000		342,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

38

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R12250
File Number:

Financial Report Page: 9
Appendix Page:

Project Description

Land Acquisition - 1982

Municipality

Capital Cost Estimate

Design
Land 1,140,000
Construction
Other

TOTAL 1,140,000

Subsidy
Contributions

TOTAL NIL

Net Cost 1,140,000

Amount to be Financed:
Regional L.S. 400,000
Property Owners
Other C.L. 740,000

TOTAL 1,140,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	1,140,000		1,140,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,140,000		1,140,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

39

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R13250
File Number:

Financial Report Page: 9
Appendix Page:

Project Description

Land Acquisition - 1984

Municipality

Capital Cost Estimate

Design	
Land	520,000
Construction	
Other	

TOTAL	520,000
-------	---------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost	520,000
----------	---------

Amount to be Financed:

Regional	L.S.	100,000
Property Owners	C.L.	420,000
Other		

TOTAL	520,000
-------	---------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983	520,000		520,000
1984			
1985			
1986			
1987 & After			
TOTAL	520,000		520,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

40

1982 - 1986

Department/Agency: Engineering
Function: Industrial Development

Project Number: R14250
File Number:

Financial Report Page: 9
Appendix Page:

Project Description

Land Acquisition - 1984

Municipality

Capital Cost Estimate

Design
Land 150,000
Construction
Other

TOTAL 150,000

Subsidy
Contributions

TOTAL NIL

Net Cost 150,000

Amount to be Financed:
Regional C.L. 150,000
Property Owners
Other

TOTAL 150,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984	150,000		150,000
1985			
1986			
1987 & After			
TOTAL	150,000		150,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

41

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 36207

File Number: 813-14

Financial Report Page: 11

Appendix Page:

Project Description

MacNab Street Trunk Storm Sewer -
Cannon Street to Harbour - Engineering
and Environmental Assessment

Trunk Tunnel Storm Sewer

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	
Other	300,000

TOTAL	300,000
-------	---------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost	300,000
----------	---------

Amount to be Financed:	
Regional St. S.R. RES	250,000
Property Owners	50,000
Other	

TOTAL	300,000
-------	---------

Need for Project

The trunk sewer is required to relieve
an overloaded trunk sewer system.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	250,000		250,000
1982	50,000		50,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	300,000		300,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

42

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: H1204, H2303, H2304

File Number:

Financial Report Page: 11

Appendix Page:

Project Description

Limeridge Road, Upper Wentworth Street,
Upper Wellington Street (O.H.A.P. -
996/1978)

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	1,542,000
Other	
TOTAL	1,542,000
Subsidy M.T.C.	236,000
Contributions	713,000
TOTAL	949,000
Net Cost	<u>593,000</u>
Amount to be Financed:	
Regional	280,000
Property Owners	313,000
Other	
TOTAL	593,000

Need for Project

Provide for new development and prevent
surface flooding.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Received

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget		994,000	994,000
1982	280,000	268,000	548,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	280,000	1,262,000	1,542,000

Effect on Current Budget

Debt Charges	60,100
Annual Costs	
TOTAL	60,100



FIVE YEAR CAPITAL BUDGET

43

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 37224
File Number:

Financial Report Page: 11
Appendix Page:

Project Description

South/West Central Area, Reconstruction
of Sewers on Duke Street from James
Street to Caroline Street

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	89,000
Other	
TOTAL	89,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	89,000

Amount to be Financed:	89,000
Regional St. S.R.	
Property Owners	
Other	
TOTAL	89,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

	O.M.B. Required	Received	
Expenditures:			
		Other	Total
		Contrib	
Prior To Budget	89,000		89,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	89,000		89,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

44

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 37223

File Number: 802-15

Financial Report Page: 11

Appendix Page:

Project Description

Bold Street from James Street to Charles Street

Local Storm Sewer, Private Drains and Road Repairs

Approximate Size - 15" to 21"

Approximate Length - 780'

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	54,000
Other	
TOTAL	54,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	54,000

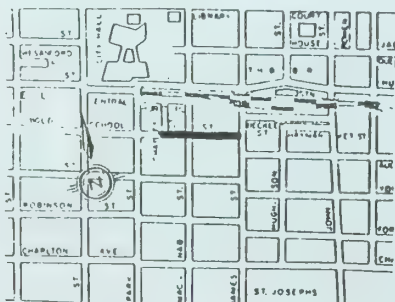
Amount to be Financed:	
Regional St. S.R.	54,000
Property Owners	
Other	
TOTAL	54,000

Need for Project

The existing sewer is inadequate in size and cannot be maintained properly.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

Prior To Budget	Region	Other Contrib	Total
	54,000		54,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	54,000		54,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

45

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 35200 A

File Number: 807-08

Financial Report Page: 11

Appendix Page:

Project Description

Gershome Trunk Storm Sewer -
Construction

Branch Trunk Sewer from Existing Channel
to Greenhill Avenue - 60" Diameter

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	385,000
Other	
TOTAL	385,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	385,000
----------	---------

Amount to be Financed:	
Regional St. S.R.	320,000
Property Owners RES	65,000
Other	

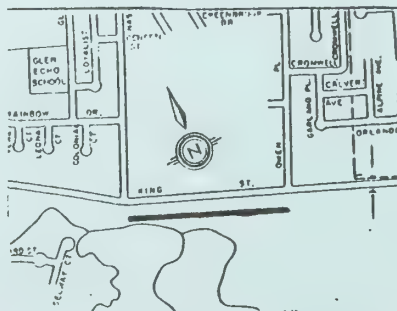
TOTAL	385,000
--------------	----------------

Need for Project

To provide service to Gershome
neighbourhood.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	320,000		320,000
1982	65,000		65,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	385,000		385,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

46

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 36208A
File Number: 813-17

Financial Report Page: 12
Appendix Page:

Project Description

Mt. Industrial Trunk Sewer - Western Connection - Construction (Storm)

Storm Box Sewer, Approximate Size - 13' x 9', and 42" Diameter Storm Sewer

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	394,000
Other	
TOTAL	394,000

Subsidy M.O.E. & M.T.C.	44,000
Contributions	
TOTAL	44,000

Net Cost	350,000
----------	---------

Amount to be Financed:	
Regional St. S.R.	350,000
Property Owners	
Other	

TOTAL 350,000

Need for Project

To provide an outlet for residential and industrial development on both sides of Rymal Road between the C.N.R. Line and Upper Sherman Avenue.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	350,000	44,000	394,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	350,000	44,000	394,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

47

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 38243
File Number: 823-29

Financial Report Page: 12
Appendix Page:

Project Description

Wentworth Street - from Main Street
to T.H. & B. Main Line

Storm Relief Sewer -
610 to 760 mm diameter

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	312,000
Other	
TOTAL	312,000
Subsidy M.T.C.	148,000
Contributions	
TOTAL	148,000
Net Cost	
Amount to be Financed:	
Regional St. S.R.	164,000
Property Owners	
Other	
TOTAL	164,000

Need for Project

The Region proposes to reconstruct
the pavement and existing combined
sewer is severely overloaded.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	164,000	148,000	312,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	164,000	148,000	312,000

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL _____



FIVE YEAR CAPITAL BUDGET

48

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: H2309

File Number:

Financial Report Page: 12

Appendix Page:

Project Description

Upper Wentworth Street and Stone Church Road from Approximately 430 Metres North of Stone Church Road to Approximately 240 Metres West of Upper Wentworth Street

- Region's Portion

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	1,700,000
Other	

TOTAL 1,700,000

Subsidy M.T.C.	30,000
Contributions	

TOTAL 30,000

Net Cost	1,670,000
----------	-----------

Amount to be Financed:	
Regional St. S.R.	1,545,000
Property Owners	125,000
Other	

TOTAL 1,670,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	1,108,000	155,000	1,263,000

1982	437,000		437,000
------	---------	--	---------

1983

1984

1985

1986

1987 & After

TOTAL	1,545,000	155,000	1,700,000
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Effect on Current Budget

Debt Charges	93,800
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Annual Costs

TOTAL 93,800



FIVE YEAR CAPITAL BUDGET

49

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 38244
File Number: 803-14

Financial Report Page: 12
Appendix Page:

Project Description

Dunsmure, Crosthwaite, Archibald, Hope and Kenilworth Avenue - Barons to Barton Street

Local Storm Sewer, approximately 1220 mm Diameter, Private Drains and Road Repairs

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	671,000
Other	

TOTAL	671,000
-------	---------

Subsidy M.T.C.	220,000
----------------	---------

Contributions	
TOTAL	220,000

Net Cost	451,000
----------	---------

Amount to be Financed:	451,000
------------------------	---------

Regional St. S.R.	
Property Owners	
Other	

TOTAL	451,000
-------	---------

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received
Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget	451,000	220,000	671,000

1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	,000	220,000	671,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

50

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 39214
File Number: 819-18

Financial Report Page: 12
Appendix Page:

Project Description

Charlton System - Storm Sewers

Local Storm Sewers, Private Drains and Road Repairs. Approximate Size - 380 to 1070 mm Diameter

Municipality

Hamilton

Capital Cost Estimate

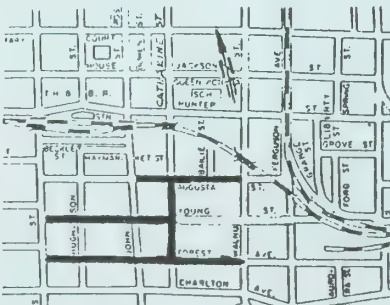
Design	
Land	
Construction	261,000
Other	
TOTAL	261,000
Subsidy M.T.C.	
Contributions	100,000
TOTAL	100,000
Net Cost	161,000
Amount to be Financed:	
Regional St. S.R.	161,000
Property Owners	
Other	
TOTAL	161,000

Need for Project

Upgrade overloaded sewers and connect the new sewers to new trunk.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	161,000	100,000	261,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	161,000	100,000	261,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

51

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 39216
File Number:

Financial Report Page: 12
Appendix Page:

Project Description

Young Street, James Street to
Catharine Street - Storm Sewer

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	96,000
Other	
TOTAL	96,000
Subsidy M.T.C.	45,000
Contributions	
TOTAL	45,000
Net Cost	45,000
Amount to be Financed:	
Regional St. S.R.	51,000
Property Owners	
Other	
TOTAL	51,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received
Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget	51,000	45,000	96,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	51,000	45,000	96,000

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL _____



FIVE YEAR CAPITAL BUDGET

52

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewer

Project Number: 39215

File Number:

Financial Report Page: 13

Appendix Page:

Project Description

Jackson Street from John Street to
Spring Street - Sewer Reconstruction

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	280,000
Other	
TOTAL	280,000

Subsidy M.T.C.	120,000
Contributions	
TOTAL	120,000

Net Cost	160,000
Amount to be Financed:	
Regional St. RES	160,000
Property Owners	
Other	
TOTAL	160,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received
Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget		35,000	35,000
1982	160,000	85,000	245,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	160,000	120,000	280,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

53

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 39217

File Number:

Financial Report Page: 13

Appendix Page:

Project Description

Holton Avenue from Delaware Avenue to
75 Metres Southerly - Storm Sewers

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	18,000
Other	

TOTAL	18,000
-------	--------

Subsidy M.T.C.	12,000
Contributions	

TOTAL	12,000
-------	--------

Net Cost	6,000
----------	-------

Amount to be Financed:	
Regional	6,000
Property Owners	
Other	

TOTAL	,000
-------	------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

Prior	Region	Other	Total
To Budget	6,000	Contrib 12,000	18,000

1982

1983

1984

1985

1986

1987 & After

TOTAL	6,000	12,000	18,000
-------	-------	--------	--------

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL	N/A
-------	-----



FIVE YEAR CAPITAL BUDGET

54

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 39218
File Number:

Financial Report Page: 13
Appendix Page:

Project Description

Murray Street from John Street to
Mary Street - Storm Sewers

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	95,000
Other	
TOTAL	95,000
Subsidy M.T.C.	50,000
Contributions	
TOTAL	50,000
Net Cost	45,000
Amount to be Financed:	
Regional RES	45,000
Property Owners	
Other	
TOTAL	45,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received
Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	20,000	20,000	20,000
1982	25,000	30,000	75,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	45,000	50,000	95,000

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL N/A



FIVE YEAR CAPITAL BUDGET

55

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 39202
File Number:

Financial Report Page: 13
Appendix Page:

Project Description

Southwest Central Area, Reconstruction
of Sewers on Bold Street from Bay
Street to Hess Street

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	98,000
Other	
TOTAL	98,000
Subsidy M.T.C.	39,000
Contributions	
TOTAL	39,000
Net Cost	59,000
Amount to be Financed:	
Regional St. S.R.	59,000
Property Owners	
Other	
TOTAL	59,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received
Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	59,000	39,000	98,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	59,000	39,000	98,000

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL _____



FIVE YEAR CAPITAL BUDGET

57

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 30234

File Number:

Financial Report Page: 13

Appendix Page:

Project Description

Belview Avenue from Barton Street to 80 m Southerly - Storm Sewers

Local Storm Sewer - Approximate Size 525 mm Diameter, Approximate Length 80 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	43,000
Other	

TOTAL	43,000
-------	--------

Subsidy M.T.C.
Contributions

TOTAL	NIL
-------	-----

Net Cost	43,000
----------	--------

Amount to be Financed:	
Regional St. S.R.	43,000
Property Owners	
Other	

TOTAL	43,000
-------	--------

Need for Project

Storm sewers must be installed in conjunction with the planned road reconstruction by area municipality in 1980 to relieve the existing overloaded combined sewer system.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required None

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	43,000		43,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	43,000		43,000

Effect on Current Budget

Debt Charges	
Annual Costs	100
TOTAL	100



FIVE YEAR CAPITAL BUDGET

58

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 30236
File Number: 803-26

Financial Report Page: 14
Appendix Page:

Project Description

Caroline Street from Bold Street to
52 m Northerly - Sewer Reconstruction

Local Storm Sewer - 300 mm Diameter,
Approximate Length - 55 m

Capital Cost Estimate

Design	
Land	
Construction	30,000
Other	
TOTAL	30,000
Subsidy M.T.C.	15,000
Contributions	
TOTAL	15,000
Net Cost	15,000
Amount to be Financed:	
Regional St. RES	15,000
Property Owners	
Other	
TOTAL	15,000

Need for Project

The existing combined sewer is
inadequate for storm drainage of
the area and cannot be maintained
properly.

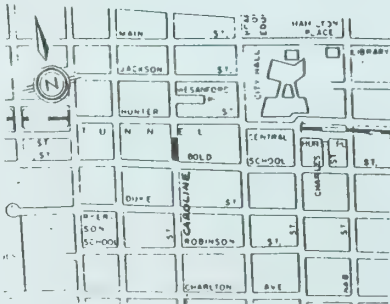
Sewers must be reconstructed in
conjunction with the planned roadwork
in 1980.

Municipality

Hamilton

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981
Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	15,000	15,000	30,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	15,000	15,000	30,000

Effect on Current Budget

Debt Charges	
Annual Costs	100
TOTAL	100



FIVE YEAR CAPITAL BUDGET

59

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 30215

File Number:

Financial Report Page: 14

Appendix Page:

Project Description

Greenhill Avenue - Storage - Treatment Basin

Engineering and Land

90 Million Litre Partially Covered Storage Tank and Settling Basin

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	50,000
Construction	
Other	170,000
TOTAL	220,000

Subsidy
Contributions

TOTAL **NIL**

Net Cost **220,000**

Amount to be Financed:
Regional St. RES 220,000
Property Owners
Other

TOTAL **220,000**

Need for Project

To reduce pollution in Red Hill Creek and Burlington Bay by controlling overflow from the combined sewer trunk.

Additional Information

Map to Locate Project



Cash Flow

	O.M.B. Required	Received
Expenditures:		
	<u>Region</u>	<u>Other Contrib</u> <u>Total</u>
Prior To Budget		
1982	220,000	220,000
1983		
1984		
1985		
1986		
1987 & After		
TOTAL	220,000	220,000

Effect on Current Budget

Debt Charges	
Annual Costs	N/A
TOTAL	



FIVE YEAR CAPITAL BUDGET

61

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 31223
File Number:

Financial Report Page: 14
Appendix Page:

Project Description

Caroline Street from King Street to
George Street - Storm Sewers

Local Storm Sewer
Approximate Size - 525 mm Diameter
Approximate Length - 92 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	75,000
Other	
TOTAL	75,000
Subsidy M.T.C.	35,000
Contributions	
TOTAL	35,000
Net Cost	40,000
Amount to be Financed:	
Regional St. S.R.	40,000
Property Owners	
Other	
TOTAL	40,000

Need for Project

The existing combined sewer is inadequate in size for storm drainage of the area.

The completion of storm sewer installation from the existing stub at King Street to George Street is required in conjunction with road reconstruction.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	17,000		17,000
1982	23,000	35,000	58,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	40,000	35,000	75,000

Effect on Current Budget

Debt Charges	
Annual Costs	200
TOTAL	200



FIVE YEAR CAPITAL BUDGET

62

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 31225
File Number: 802-38

Financial Report Page: 14
Appendix Page:

Project Description

Birge Street from Wentworth Street to
Cheever Street - Storm Sewers

Storm Sewers
Approximate Size-675 to 750 mm Diameter
Approximate Length - 160 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	110,000
Other	
TOTAL	110,000
Subsidy M.T.C.	40,000
Contributions	
TOTAL	40,000
Net Cost	70,000
Amount to be Financed:	
Regional St. S.R.	70,000
Property Owners	
Other	
TOTAL	70,000

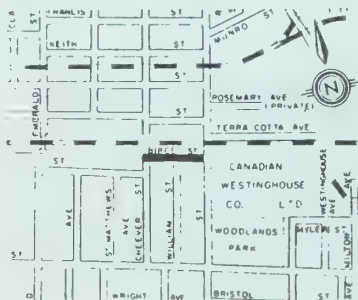
Need for Project

The existing combined sewer is inadequate in size for storm drainage of the area.

Storm sewers must be installed in conjunction with the planned road reconstruction in 1981 to reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	61,000		61,000
1982	9,000	40,000	49,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	70,000	40,000	110,000

Effect on Current Budget

Debt Charges	
Annual Costs	200
TOTAL	200



FIVE YEAR CAPITAL BUDGET

63

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 31226
File Number:

Financial Report Page: 14
Appendix Page:

Project Description

Emerald Street from Evans Street to Wilson Street and from Barton Street to Cannon Street - Storm Sewers, Hamilton.

Storm Sewers
Approximate Size - 300 to 525 mm Diameter
Approximate Length - 475 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	250,000
Other	
TOTAL	250,000
Subsidy M.T.C.	120,000
Contributions	
TOTAL	120,000
Net Cost	130,000
Amount to be Financed:	
Regional St. S.R.	72,000
Property Owners RES	58,000
Other	
TOTAL	130,000

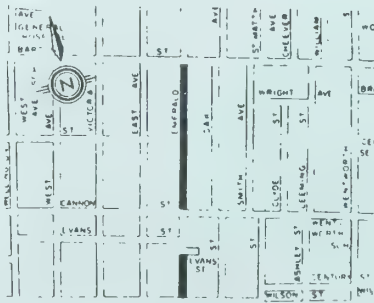
Need for Project

The existing combined sewer is inadequate in size for storm drainage of the area.

Storm sewers must be installed in conjunction with the planned road reconstruction in 1981 to reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981
Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	130,000	120,000	250,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	130,000	120,000	250,000

Effect on Current Budget

Debt Charges	
Annual Costs	900
TOTAL	900



FIVE YEAR CAPITAL BUDGET

64

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 31227

File Number: 819-51

Financial Report Page: 15

Appendix Page:

Project Description

Spadina - Vineland

Storm Relief Sewer, together with Private Drains and Road Repairs

Approximate Size - 375 to 525 mm Diameter

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	200,000
Other	

TOTAL	200,000
-------	---------

Subsidy M.T.C.	80,000
----------------	--------

Contributions	
---------------	--

TOTAL	80,000
-------	--------

Net Cost	120,000
----------	---------

Amount to be Financed:	
Regional St. S.R.	120,000

Property Owners	
Other	

TOTAL	120,000
-------	---------

Need for Project

To reduce basement flooding and facilitate road reconstruction.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

Prior To Budget	Region	Other Contrib	Total
	43,000		43,000
1982	77,000	80,000	157,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	120,000	80,000	200,000

Effect on Current Budget

Debt Charges	
Annual Costs	300
TOTAL	300



FIVE YEAR CAPITAL BUDGET

65

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 31228

File Number:

Financial Report Page: 15

Appendix Page:

Project Description

Locke Street from King Street to
Napier Street - Storm Sewers, Hamilton

Local Storm Sewers

Approximate Size - 300 to 375 mm Diameter

Approximate Length - 150 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	90,000
Other	

TOTAL	90,000
-------	--------

Subsidy M.T.C.	36,000
Contributions	

TOTAL	36,000
-------	--------

Net Cost	54,000
----------	--------

Amount to be Financed:	
Regional St. S.R.	54,000
Property Owners	
Other	

TOTAL	54,000
-------	--------

Need for Project

Completion of storm sewer installation on Locke Street from the north end of the existing stub at King Street to Napier Street, for utilizing the new storm sewer system on King Street and relieving overload in the existing combined sewer system.

Additional Information

The work to be done in conjunction with the planned road reconstruction in 1981.

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	22,000		22,000
1982	32,000	36,000	78,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	54,000	36,000	90,000

Effect on Current Budget

Debt Charges	
Annual Costs	200
TOTAL	200



FIVE YEAR CAPITAL BUDGET

66

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers .

Project Number: 31229

File Number:

Financial Report Page: 15

Appendix Page:

Project Description

Queen Street from Barton to Napier -
Sewer Reconstruction, Hamilton

Replacement of existing 3'0" x 4'6"
Sewer with 1200 mm Diameter Pipe,
Approximate length - 650 mm

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	600,000
Other	
TOTAL	600,000
Subsidy M.T.C.	150,000
Contributions	
TOTAL	150,000
Net Cost	450,000
Amount to be Financed:	
Regional St. RES	420,000
Property Owners	
Other T.R.	30,000
TOTAL	450,000

Need for Project

The existing combined sewer has
failed structurally and it may
collapse.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	450,000	150,000	600,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	450,000	150,000	600,000

Effect on Current Budget

Debt Charges	
Annual Costs	1,200
TOTAL	1,200



FIVE YEAR CAPITAL BUDGET

67

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 31230
File Number:

Financial Report Page: 15
Appendix Page:

Project Description

Locke Street from Peter Street to
Florence Street - Storm Sewer, Hamilton

Local Storm Sewer - 300 mm Diameter
Approximate Length - 80 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	32,000
Other	
TOTAL	32,000
Subsidy M.T.C.	12,000
Contributions	
TOTAL	12,000
Net Cost	20,000
Amount to be Financed:	
Regional St. S.R.	20,000
Property Owners	
Other	
TOTAL	20,000

Need for Project

The new storm sewer must be installed as replacement for the existing substandard drains in conjunction with the planned road reconstruction in 1981.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	13,000		13,000
1982	7,000	12,000	19,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	20,000	12,000	32,000

Effect on Current Budget

Debt Charges	
Annual Costs	200
TOTAL	200



FIVE YEAR CAPITAL BUDGET

68

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 32235

File Number:

Financial Report Page: 15

Appendix Page:

Project Description

Charlton Avenue West from Dundurn Street to 132 m Westerly - Storm Sewers, Hamilton

Local Storm Sewers
Approximate Size - 450 mm Diameter
Approximate Length - 132 m, including Road Repairs

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	110,000
Other	

TOTAL	110,000
-------	---------

Subsidy M.T.C.	50,000
----------------	--------

Contributions

TOTAL	50,000
-------	--------

Net Cost	60,000
----------	--------

Amount to be Financed:	
Regional St. RES	60,000

Property Owners

Other

TOTAL	60,000
-------	--------

Need for Project

The existing combined sewer is inadequate for storm drainage of the area; therefore, storm relief sewer must be installed in order to reduce basement flooding.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982	60,000	50,000	100,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	60,000	50,000	100,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL

200

200



FIVE YEAR CAPITAL BUDGET

69

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 32236
File Number:

Financial Report Page: 15
Appendix Page:

Project Description

Hess Street from Barton Street to
Stuart Street - Storm Sewer, Hamilton

Local Storm Sewers
Approximate Size - 375 to 600 mm Diameter
Approximate Length - 215 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	150,000
Other	
TOTAL	150,000

Subsidy M.T.C.	65,000
Contributions	
TOTAL	65,000

Net Cost	85,000
----------	--------

Amount to be Financed:	
Regional St. S. R.	85,000
Property Owners	
Other	
TOTAL	85,000

Need for Project

The existing combined sewer has failed structurally and it must be replaced in conjunction with road reconstruction in 1982.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982
Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982	85,000	65,000	150,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	85,000	65,000	150,000

Effect on Current Budget

Debt Charges	18,300
Annual Costs	300
TOTAL	18,600



FIVE YEAR CAPITAL BUDGET

70

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 31220
File Number: 807-11

Financial Report Page: 16
Appendix Page:

Project Description

Garfield - Wineland
Storm Sewers, Hamilton

Local Storm Sewers
300 mm to 450 mm Diameter
Approximate Length - 335 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	285,000
Other	
TOTAL	285,000

Subsidy M.T.C.	114,000
Contributions	
TOTAL	114,000

Net Cost	171,000
----------	---------

Amount to be Financed:	
Regional St. S.R.	171,000
Property Owners	
Other	

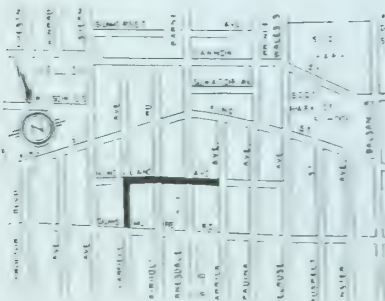
TOTAL	171,000
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Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	100,000		100,000
1983	71,000	114,000	185,000
1984			
1985			
1986			
1987 & After			
TOTAL	171,000	114,000	285,000

Effect on Current Budget

Debt Charges	15,200
Annual Costs	600
TOTAL	15,800



FIVE YEAR CAPITAL BUDGET

71

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 31222

File Number: 807-26

Financial Report Page: 16

Appendix Page:

Project Description

Garfield Avenue North, Fairholt Road North, Hamilton

Local Storm Sewers, 375 to 530 mm Diameter, Private Drains and Road Repairs

Approximate Length - 120 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	75,000
Other	
TOTAL	75,000

Subsidy M.T.C.	30,000
Contributions	
TOTAL	30,000

Net Cost	45,000
----------	--------

Amount to be Financed:	
Regional St. S.R.	45,000
Property Owners	
Other	
TOTAL	45,000

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	45,000	30,000	75,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	45,000	30,000	75,000

Effect on Current Budget

Debt Charges	
Annual Costs	200
TOTAL	200



FIVE YEAR CAPITAL BUDGET

72

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 32230
File Number: 816-38

Financial Report Page: 16
Appendix Page:

Project Description

Province Street from King Street to
150 Metres Southerly - Storm Sewers,
Hamilton

Local Storm Sewers
Approximate Size - 450 mm Diameter
Approximate Length - 150 Metres

Municipality

Capital Cost Estimate

Design	
Land	
Construction	95,000
Other	
TOTAL	95,000
Subsidy M.T.C	
Contributions	42,000
TOTAL	42,000
Net Cost	53,000
Amount to be Financed:	
Regional RES	53,000
Property Owners	
Other	
TOTAL	53,000

Need for Project

The existing combined sewer is inadequate in size for storm drainage of the area. Storm sewers must be installed in conjunction with the planned road reconstruction in 1982 to reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	53,000	42,000	95,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	53,000	42,000	95,000

Effect on Current Budget

Debt Charges	
Annual Costs	200
TOTAL	200



FIVE YEAR CAPITAL BUDGET

73

1982 - 1986

<p>Department/Agency: Engineering</p> <p>Function: Storm Sewers</p>	<p>Project Number: 32231</p> <p>File Number:</p>	<p>Financial Report Page: 16</p> <p>Appendix Page: A5</p>																																																			
<p><u>Project Description</u></p> <p>Hunter Street from Emerald Street to Victoria Avenue - Storm Sewers</p> <p>Local Storm Sewers Approximate Size - 450 to 525 mm Diameter Approximate Length - 200 m</p> <p><u>Municipality</u></p> <p>Hamilton</p>	<p><u>Capital Cost Estimate</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Design</td> <td style="width: 10%;"></td> <td style="width: 30%;"></td> </tr> <tr> <td>Land</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td></td> <td style="text-align: right;">120,000</td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="text-align: right; border-top: 1px solid black;">120,000</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Subsidy M.T.C.</td> <td></td> <td style="text-align: right;">50,000</td> </tr> <tr> <td>Contributions</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="text-align: right; border-top: 1px solid black;">50,000</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Net Cost</td> <td></td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">70,000</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Amount to be Financed:</td> <td></td> <td></td> </tr> <tr> <td>Regional St. S.R.</td> <td></td> <td style="text-align: right;">70,000</td> </tr> <tr> <td>Property Owners</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="text-align: right; border-top: 1px solid black;">70,000</td> </tr> </table>	Design			Land			Construction		120,000	Other			TOTAL		120,000				Subsidy M.T.C.		50,000	Contributions			TOTAL		50,000				Net Cost		70,000				Amount to be Financed:			Regional St. S.R.		70,000	Property Owners			Other			TOTAL		70,000	<p><u>Need for Project</u></p> <p>Completion of storm sewer installation on Hunter Street from Emerald Street to the existing stub at Victoria Avenue, for utilizing the new storm sewer system on Victoria Avenue and relieving the overload in the existing combined sewer system.</p> <p>The work must be done in conjunction with the planned road reconstruction in 1982.</p>
Design																																																					
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Other																																																					
TOTAL		70,000																																																			
<p><u>Map to Locate Project</u></p>	<p><u>Cash Flow</u></p> <p>O.M.B. Required 1982</p> <p>Expenditures:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;"></th> <th style="width: 15%; text-align: center;"><u>Region</u></th> <th style="width: 15%; text-align: center;"><u>Other Contrib</u></th> <th style="width: 40%; text-align: center;"><u>Total</u></th> </tr> <tr> <td>Prior To Budget</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1982</td> <td style="text-align: center;">70,000</td> <td style="text-align: center;">50,000</td> <td style="text-align: center;">120,000</td> </tr> <tr> <td>1983</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1984</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1985</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1986</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1987 & After</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="border-top: 1px solid black;">TOTAL</td> <td style="text-align: center; border-top: 1px solid black;">70,000</td> <td style="text-align: center; border-top: 1px solid black;">50,000</td> <td style="text-align: center; border-top: 1px solid black;">120,000</td> </tr> </table>		<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>	Prior To Budget				1982	70,000	50,000	120,000	1983				1984				1985				1986				1987 & After				TOTAL	70,000	50,000	120,000	<p><u>Additional Information</u></p> <p><u>Effect on Current Budget</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Debt Charges</td> <td style="width: 30%; text-align: right;">15,000</td> </tr> <tr> <td> </td> <td></td> </tr> <tr> <td>Annual Costs</td> <td style="text-align: right; border-top: 1px solid black;">300</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 1px solid black;">15,300</td> </tr> </table>	Debt Charges	15,000			Annual Costs	300	TOTAL	15,300							
	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>																																																		
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Annual Costs	300																																																				
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FIVE YEAR CAPITAL BUDGET

74

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 32232

File Number:

Financial Report Page: 16

Appendix Page:

Project Description

Emerald Street from Wilson Street to King Street - Storm Sewers

Local Storm Sewers

Approximate Size - 37" to 450 mm Diameter

Approximate Length - 235 m

Municipality

Hamilton

Capital Cost Estimate

Design

Land

Construction

Other

125,000

TOTAL

125,000

Subsidy M.T.C.

Contributions

55,000

TOTAL

55,000

Net Cost

70,000

Amount to be Financed:

Regional St. S.R.

70,000

Property Owners

Other

TOTAL

70,000

Need for Project

Completion of storm sewer installation on Emerald Street is required in order to utilize the new storm sewer system north of Wilson Street, thus relieving overload in the existing combined sewers.

The work must be done in conjunction with the planned road reconstruction in 1982.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982

Expenditures:

Prior
To Budget

Region

Other
Contrib

Total

1982

70,000

55,000

125,000

1983

1984

1985

1986

1987 & After

TOTAL

70,000

55,000

125,000

Effect on Current Budget

Debt Charges

15,000

Annual Costs

300

TOTAL

15,300



FIVE YEAR CAPITAL BUDGET

75

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 32233
File Number:

Financial Report Page: 16
Appendix Page: A5

Project Description

Roxborough Avenue from Graham Avenue
to Park Row - Storm Sewers, Hamilton

Local Storm Sewers
Approximate Size - 450 to 600 mm Diameter
Approximate Length - 170 m, and Road
Repairs

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	110,000
Other	
TOTAL	110,000
Subsidy M.T.C.	50,000
Contributions	
TOTAL	50,000
Net Cost	60,000
Amount to be Financed:	
Regional St. S.R.	60,000
Property Owners	
Other	
TOTAL	60,000

Need for Project

The existing combined sewer is
inadequate for storm drainage of
the area. Storm sewers must be
installed to reduce basement flooding.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982
Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982	60,000	50,000	110,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	60,000	50,000	110,000

Effect on Current Budget

Debt Charges	12,900
Annual Costs	200
TOTAL	13,100



FIVE YEAR CAPITAL BUDGET

76

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 36224

File Number:

Financial Report Page: 17

Appendix Page: A5

Project Description

D'Arcy Court from East 25th Street to
85 m Easterly - Storm Sewers

Local Storm Sewers
Approximate Size - 375 mm Diameter
Approximate Length - 85 m, including
Road Repairs

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	65,000
Other	
TOTAL	65,000
Subsidy M.T.C.	29,000
Contributions	
TOTAL	29,000
Net Cost	36,000
Amount to be Financed:	
Regional St. S.R.	36,000
Property Owners	
Other	
TOTAL	36,000

Need for Project

The existing combined sewer is
inadequate for storm drainage of
the area.

Storm sewers must be installed to
reduce basement flooding.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986
Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982	36,000	29,000	65,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	36,000	29,000	65,000

Effect on Current Budget

Debt Charges	7,700
Annual Costs	100
TOTAL	7,800



FIVE YEAR CAPITAL BUDGET

77

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 32234

File Number:

Financial Report Page: 17

Appendix Page: A5

Project Description

Sherman/Cannon Area, Hamilton

Storm Relief Sewer, together with Private Drains and Road Repairs

Approximate Size - 300 to 610 mm Diameter
Approximate Length - 825 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	575,000
Other	
TOTAL	575,000
Subsidy M.T.C.	245,000
Contributions	
TOTAL	245,000
Net Cost	330,000
Amount to be Financed:	
Regional St. S.R. RES	250,000
Property Owners	50,000
Other T.R.	30,000
TOTAL	330,000

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982	40,000		40,000
1983	290,000	245,000	535,000
1984			
1985			
1986			
1987 & After			
TOTAL	330,000	245,000	575,000

Effect on Current Budget

Debt Charges	53,700
Annual Costs	1,400
TOTAL	55,100



FIVE YEAR CAPITAL BUDGET

78

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 32225

File Number:

Financial Report Page: 17

Appendix Page: A5

Project Description

Belview Avenue between Dunsmuir Road and Roxborough Avenue - Storm Relief Sewers, Hamilton

Local Storm Relief Sewers, Drains and Road Repairs

Approximate Size - 380 to 460 mm Diameter
Approximate Length - 213 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	200,000
Other	
TOTAL	200,000
Subsidy M.T.C.	90,000
Contributions	
TOTAL	90,000
Net Cost	110,000
Amount to be Financed:	
Regional St. S.R.	60,000
Property Owners RES	50,000
Other	
TOTAL	110,000

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	40,000		40,000
1984	70,000	90,000	160,000
1985			
1986			
1987 & After			
TOTAL	110,000	90,000	200,000

Effect on Current Budget

Debt Charges	12,400
Annual Costs	200
TOTAL	12,600



FIVE YEAR CAPITAL BUDGET

79

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 32227

File Number:

Financial Report Page: 17

Appendix Page: A5

Project Description

Whitney Avenue/Leland Street Area -
Storm Relief Sewers, Hamilton

Local Storm Relief Sewers, together
with Drains and Road Repairs

Approximate Size - 375 to 900 mm Diameter

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	375,000
Other	
TOTAL	375,000

Subsidy M.T.C.	180,000
Contributions	
TOTAL	180,000

Net Cost	195,000
----------	---------

Amount to be Financed:	
Regional St. S.R.	145,000
Property Owners RES	50,000
Other	

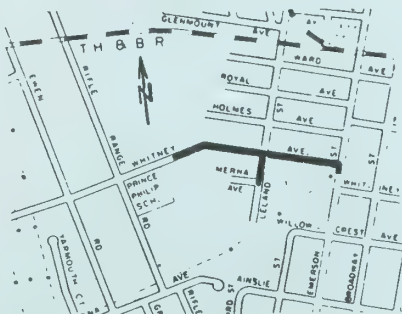
TOTAL	195,000
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Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	45,000	5,000	50,000
1983	150,000	175,000	325,000
1984			
1985			
1986			
1987 & After			
TOTAL	195,000	180,000	375,000

Effect on Current Budget

Debt Charges	31,100
Annual Costs	900
TOTAL	32,000



FIVE YEAR CAPITAL BUDGET

80

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 32219

File Number: 821-07

Financial Report Page: 17

Appendix Page: A5

Project Description

Upper James Street, Inverness Avenue to Duff Street

Local Storm Sewer, Private Drains and Road Repairs

Approximate Size - 1070 mm Diameter
Approximate Length - 138 m

Municipality

Hamilton

Capital Cost Estimate

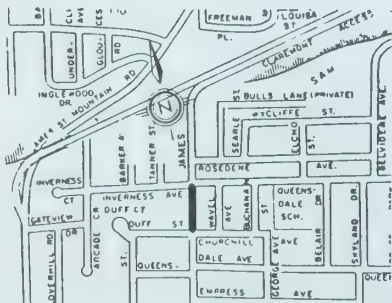
Design	
Land	
Construction	200,000
Other	
TOTAL	200,000
Subsidy M.T.C.	80,000
Contributions	
TOTAL	80,000
Net Cost	120,000
Amount to be Financed:	
Regional St. S.R.	100,000
Property Owners	
Other T.R.	20,000
TOTAL	120,000

Need for Project

To reduce basement flooding on Duff Street and Duff Court.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	30,000		30,000
1983	90,000	80,000	170,000
1984			
1985			
1986			
1987 & After			
TOTAL	120,000	80,000	200,000

Effect on Current Budget

Debt Charges	21,500
Annual Costs	300
TOTAL	21,800



FIVE YEAR CAPITAL BUDGET

81

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 32218

File Number: 823-17

Financial Report Page: 17

Appendix Page: A15

Project Description

Wexford from Main Street to Monterey
and on Monterey from Wexford

Local Relief Sewer, together with Drains
and Road Repairs

Approximate Size - 610 to 910 mm Diameter
Approximate Length - 610 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	600,000
Other	
TOTAL	600,000
Subsidy M.T.C	225,000
Contributions	
TOTAL	225,000
Net Cost	375,000
Amount to be Financed:	
Regional St. S.R.	375,000
Property Owners	
Other	
TOTAL	375,000

Need for Project

To reduce basement flooding
in Wexford Street area.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	200,000		200,000
1983	175,000	225,000	400,000
1984			
1985			
1986			
1987 & After			
TOTAL	375,000	225,000	600,000

Effect on Current Budget

Debt Charges	80,500
Annual Costs	1,200
TOTAL	81,700



FIVE YEAR CAPITAL BUDGET

82

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 32228

File Number:

Financial Report Page: 18

Appendix Page: A5

Project Description

Gibson Avenue from Cannon Street to Barton Street - Reconstruction of Sewers, Hamilton

Storm Relief Sewer, together with Road Repairs

Approximate Size - 380 to 530 mm Diameter
Approximate Length - 250 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	240,000
Other	
TOTAL	240,000
Subsidy M.T.C.	100,000
Contributions	
TOTAL	100,000
Net Cost	140,000
Amount to be Financed:	
Regional RES	140,000
Property Owners	
Other	
TOTAL	140,000

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	40,000		40,000
1983	100,000	100,000	200,000
1984			
1985			
1986			
1987 & After			
TOTAL	140,000	100,000	240,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL 600



FIVE YEAR CAPITAL BUDGET

83

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 33244

File Number:

Financial Report Page: 18

Appendix Page: A5

Project Description

Simcoe Street from John Street to Catharine Street - Storm Sewers, Hamilton

Local Storm Sewers
Approximate Size - 525 mm Diameter
Approximate Length - 115 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	80,000
Other	
TOTAL	80,000
Subsidy M.T.C.	35,000
Contributions	
TOTAL	35,000
Net Cost	45,000
Amount to be Financed:	
Regional St. S.R.	45,000
Property Owners	
Other	
TOTAL	45,000

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	45,000	35,000	80,000
1984			
1985			
1986			
1987 & After			
TOTAL	45,000	35,000	80,000

Effect on Current Budget

Debt Charges	9,700
Annual Costs	200
TOTAL	9,900



FIVE YEAR CAPITAL BUDGET

84

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 33246

File Number:

Financial Report Page: 18

Appendix Page: A5

Project Description

Glencarry Avenue from Central Avenue to 82 Metres Northerly - Storm Sewers, Hamilton

Local Storm Sewers
Approximate Size - 375 mm Diameter
Approximate Length - 83 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	50,000
Other	
TOTAL	50,000
Subsidy M.T.C.	20,000
Contributions	
TOTAL	20,000
Net Cost	30,000
Amount to be Financed:	
Regional St. S.R.	30,000
Property Owners	
Other	
TOTAL	30,000

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983	30,000	20,000	50,000
1984			
1985			
1986			
1987 & After			
TOTAL	30,000	20,000	50,000

Effect on Current Budget

Debt Charges	6,400
Annual Costs	200
TOTAL	6,600



FIVE YEAR CAPITAL BUDGET

85

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 33247

File Number:

Financial Report Page: 18

Appendix Page: A5

Project Description

Emerald Street from Main Street to 250 Metres Southerly - Storm Sewers, Hamilton

Local Storm Sewers
Approximate Size - 450 to 525 mm Diameter
Approximate Length - 250 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	170,000
Other	
TOTAL	170,000
Subsidy M.T.C.	80,000
Contributions	
TOTAL	80,000
Net Cost	90,000
Amount to be Financed:	
Regional St. S.R.	90,000
Property Owners	
Other	
TOTAL	90,000

Need for Project

To reduce basement flooding.

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983	90,000	80,000	170,000
1984			
1985			
1986			
1987 & After			
TOTAL	90,000	80,000	170,000

Additional Information

Effect on Current Budget

Debt Charges	19,300
Annual Costs	300
TOTAL	19,600



FIVE YEAR CAPITAL BUDGET

86

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 33248

File Number: 814-11

Financial Report Page: 18

Appendix Page: A6

Project Description

Niagara and Munro Streets - Storm Sewers, Hamilton

Local Storm Relief Sewers
Approximate Size - 375 to 525 mm Diameter
Approximate Length - 250 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	185,000
Other	
TOTAL	185,000
Subsidy M.T.C.	80,000
Contributions	
TOTAL	80,000
Net Cost	105,000
Amount to be Financed:	
Regional St. S.R.	105,000
Property Owners	
Other	
TOTAL	105,000

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	105,000	80,000	185,000
1984			
1985			
1986			
1987 & After			
TOTAL	105,000	80,000	185,000

Effect on Current Budget

Debt Charges	22,500
Annual Costs	400
TOTAL	22,900



FIVE YEAR CAPITAL BUDGET

1982 - 1986

87

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 33249

File Number:

Financial Report Page: 18

Appendix Page: A6

Project Description

Fullerton Avenue from Princess Street to 110 m Southerly - Storm Sewers, Hamilton

Local Storm Sewers
Approximate Size - 450 mm Diameter
Approximate Length - 110 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	75,000
Other	
TOTAL	75,000
Subsidy M.T.C. Contributions	30,000
TOTAL	30,000
Net Cost	45,000
Amount to be Financed:	
Regional St. S.R.	45,000
Property Owners	
Other	
TOTAL	45,000

Need for Project

The existing combined sewer is inadequate for storm drainage of the area.

Storm relief sewer must be installed in conjunction with the planned road reconstruction in 1983 to reduce basement flooding.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983	45,000	30,000	75,000
1984			
1985			
1986			
1987 & After			
TOTAL	45,000	30,000	75,000

Effect on Current Budget

Debt Charges	9,700
Annual Costs	200
TOTAL	9,900



FIVE YEAR CAPITAL BUDGET

88

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 34216

File Number:

Financial Report Page: 19

Appendix Page: A6

Project Description

Glendale Avenue from Barton Street to Primrose Avenue - Storm Sewers

Local Storm Sewers

Approximate Size - 450 to 525 mm Diameter

Approximate Length - 300 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	275,000
Other	
TOTAL	275,000
Subsidy M.T.C.	
Contributions	130,000
TOTAL	130,000
Net Cost	145,000
Amount to be Financed:	
Regional St. S.R.	145,000
Property Owners	
Other	
TOTAL	145,000

Need for Project

The existing combined sewer is inadequate in size for storm drainage of the area.

Storm sewers must be installed in conjunction with the planned road reconstruction to reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1984

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984	20,000		20,000
1985	125,000	130,000	255,000
1986			
1987 & After			
TOTAL	145,000	130,000	275,000

Effect on Current Budget

Debt Charges	31,100
Annual Costs	600
TOTAL	31,700



FIVE YEAR CAPITAL BUDGET

89

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 34217
File Number:

Financial Report Page: 19
Appendix Page: A6

Project Description

Whitfield Avenue from Birmingham Street
to Gage Avenue - Storm Sewers

Local Storm Sewers
Approximate Size - 450 to 600 mm Diameter
Approximate Length - 200 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	200,000
Other	
TOTAL	200,000
Subsidy M.T.C.	90,000
Contributions	
TOTAL	90,000
Net Cost	110,000
Amount to be Financed:	
Regional St. S.R.	110,000
Property Owners	
Other	
TOTAL	110,000

Need for Project

The existing combined sewer is inadequate in size for storm drainage of the area.

Storm sewers must be installed in conjunction with the planned road reconstruction to reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1984
Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984	20,000		20,000
1985	90,000	90,000	180,000
1986			
1987 & After			
TOTAL	110,000	90,000	200,000

Effect on Current Budget

Debt Charges	23,600
Annual Costs	400
TOTAL	24,000



FIVE YEAR CAPITAL BUDGET

90

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 30215 A

File Number:

Financial Report Page: 19

Appendix Page:

Project Description

Greenhill Avenue Storage Treatment Basin
- Construction, Hamilton

60 Million Litre partially covered
Storage Tank and Settling Basin for
Storage and Partial Treatment of Overflow
from Greenhill Avenue Trunk Sewer

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	3,000,000
Other	
TOTAL	3,000,000
Subsidy M.O.E.	400,000
Contributions	
TOTAL	400,000
Net Cost	2,600,000
Amount to be Financed:	
Regional St. S.R.	1,800,000
Property Owners RES	800,000
Other	
TOTAL	2,600,000

Need for Project

To reduce pollution in Red Hill Creek
and Burlington Bay by controlling
overflow from a combined sewer
system.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985	1,300,000		1,300,000
1986	300,000		300,000
1987 & After	1,000,000	400,000	1,400,000
TOTAL	2,600,000	400,000	3,000,000

Effect on Current Budget

Debt Charges	171,700
Annual Costs	10,000
TOTAL	181,700



FIVE YEAR CAPITAL BUDGET

91

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 35215

File Number:

Financial Report Page: 19

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Project Description

Beach Road from Gage Avenue to Northcote Street - Storm Sewers and Sewer Repairs

Local Storm Sewers
Approximate Size - 750 to 1050 mm Diameter
Approximate Length - 350 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	450,000
Other	
TOTAL	450,000
Subsidy M.T.C. Contributions	150,000
TOTAL	150,000
Net Cost	300,000
Amount to be Financed:	
Regional St. S.R.	300,000
Property Owners	
Other	
TOTAL	300,000

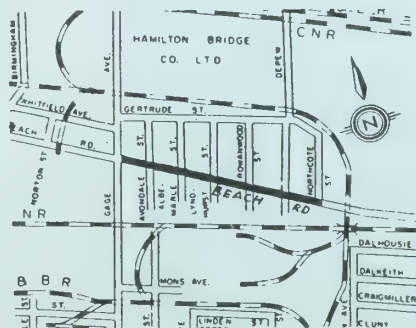
Need for Project

The existing combined sewer is inadequate in size for storm drainage of the area.

Storm sewers must be installed in conjunction with the planned road reconstruction to reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	60,000		60,000
1986	240,000	150,000	390,000
1987 & After			
TOTAL	300,000	150,000	450,000

Effect on Current Budget

Debt Charges	64,400
Annual Costs	800
TOTAL	65,200



FIVE YEAR CAPITAL BUDGET

92

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 35216

File Number: 823-18

Financial Report Page: 19

Appendix Page: A6

Project Description

Warren Avenue from McElroy Avenue to Mohawk Road and on Mohawk Road to approximately 128 m Easterly

Local Storm Relief Sewer, Private Drains and Road Repairs

Approximate Size - 610 to 1070 m Diameter

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	600,000
Other	
TOTAL	600,000
Subsidy M.T.C.	260,000
Contributions	
TOTAL	260,000
Net Cost	340,000
Amount to be Financed:	
Regional St. S.R.	310,000
Property Owners	
Other T.R.	30,000
TOTAL	340,000

Need for Project

To reduce basement flooding in houses on the south side of Mohawk Road and Warren Avenue.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	80,000		80,000
1986	260,000	260,000	520,000
1987 & After			
TOTAL	340,000	260,000	600,000

Effect on Current Budget

Debt Charges	66,500
Annual Costs	1,000
TOTAL	67,500



FIVE YEAR CAPITAL BUDGET

93

1982 - 1986

Department/Agency: Engineering

Function: Transportation - Storm Sewers

Project Number: 35217

File Number: 801-08

Financial Report Page: 19

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Project Description

Adair, Roxborough, Glasco and Melvin,
Parkdale to Barton Street

Storm Relief Sewer, Private Drains
and Road Repairs

Approximate Size - 610 to 1070 m Diameter

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	800,000
Other	
TOTAL	800,000

Subsidy M.T.C.	320,000
Contributions	
TOTAL	320,000

Net Cost **480,000**

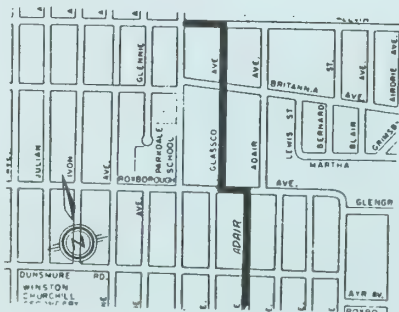
Amount to be Financed:	
Regional St. S.R.	480,000
Property Owners	
Other	
TOTAL	480,000

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985	80,000		80,000
1986	400,000	320,000	720,000
1987 & After			
TOTAL	480,000	320,000	800,000

Effect on Current Budget

Debt Charges	103,000
Annual Costs	1,500
TOTAL	104,500



FIVE YEAR CAPITAL BUDGET

94

1982 - 1986

Department/Agency: Engineering
Function: Transportation - Storm Sewers

Project Number: 35226
File Number:

Financial Report Page: 20
Appendix Page: A6

Project Description

Park Row South from Main Street to Monterey Avenue - Storm Relief Sewers

Local Storm Relief Sewer, together with Drains and Road Repairs

Approximate Size - 760 to 910 mm Diameter
Approximate Length - 550 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	600,000
Other	
TOTAL	600,000
Subsidy M.T.C	250,000
Contributions	
TOTAL	350,000
Net Cost	350,000
Amount to be Financed:	
Regional St. S.R.	350,000
Property Owners	
Other	
TOTAL	350,000

Need for Project

To reduce basement flooding.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985
Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	50,000		50,000
1986	300,000	250,000	550,000
1987 & After			
TOTAL	350,000	250,000	600,000

Effect on Current Budget

Debt Charges	75,100
Annual Costs	1,100
TOTAL	76,200



FIVE YEAR CAPITAL BUDGET

95

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 35242

File Number: 819-18

Financial Report Page: 20

Appendix Page: A6

Project Description

Forest Avenue and Catharine Street - Storm Sewers

Forest Avenue from James Street to Walnut Street and Catharine Street from Forest Avenue to Young Street

Local Storm Sewers
Approximate Size - 375 to 1050 mm Diameter
Approximate Length - 595 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	550,000
Other	
TOTAL	550,000

Subsidy M.T.C. Contributions

TOTAL	200,000
	300,000

Net Cost

Amount to be Financed:
Regional St. S.R. 300,000

Property Owners
Other

TOTAL 300,000

Need for Project

To eliminate overloaded sewers and to utilize the new storm trunk sewer.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	300,000		300,000
1986		250,000	250,000
1987 & After			
TOTAL	300,000	250,000	550,000

Effect on Current Budget

Debt Charges	64,400
Annual Costs	900
TOTAL	64,400



FIVE YEAR CAPITAL BUDGET

96

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 35243
File Number: 302-27

Financial Report Page: 20
Appendix Page: A6

Project Description

Balsam Avenue from Beechwood Avenue to
158 Metres Southerly - Storm Sewers

Local Storm Sewers
Approximate Size - 450 mm Diameter
Approximate Length - 158 Metres

Municipality
Hamilton

Capital Cost Estimate

Design	
Land	
Construction	120,000
Other	
TOTAL	120,000
Subsidy M.T.C.	50,000
Contributions	
TOTAL	50,000
Net Cost	70,000
Amount to be Financed:	
Regional St. S.R.	70,000
Property Owners	
Other	
TOTAL	70,000

Need for Project

The existing combined sewer is inadequate in size for storm drainage of the adjoining Brian Timis Stadium. The City of Hamilton has requested for provision of storm sewers on Balsam Avenue for this reason.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985
Expenditures:

	Prior To Budget	Region	Other Contrib	Total
1982				
1983				
1984				
1985		20,000		20,000
1986		50,000	50,000	100,000
1987 & After				
TOTAL		70,000	50,000	120,000

Effect on Current Budget

Debt Charges	15,000
Annual Costs	300
TOTAL	15,300



FIVE YEAR CAPITAL BUDGET

97

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 35219

File Number:

Financial Report Page: 20

Appendix Page: A6

Project Description

Hoover Crescent/Welbourn Drive Storm Sewers, Hamilton

Storm Relief Sewer, together with Road Repairs

Approximate Size - 600 mm Diameter

Approximate Length - 310 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	285,000
Other	
TOTAL	285,000

Subsidy M.T.C.	115,000
Contributions	
TOTAL	115,000

Net Cost	170,000
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Amount to be Financed:	
Regional St. S.R.	170,000
Property Owners	
Other	

TOTAL	170,000
-------	---------

Need for Project

To reduce basement flooding.

The existing combined sewer has inadequate capacity.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	85,000		85,000
1986	85,000	115,000	200,000
1987 & After			
TOTAL	170,000	115,000	285,000

Effect on Current Budget

Debt Charges	36,400
Annual Costs	600
TOTAL	37,000



FIVE YEAR CAPITAL BUDGET

98

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 35224
File Number:

Financial Report Page: 20
Appendix Page: A7

Project Description

James Street from Robinson Street to James Mountain Road - Storm Sewers, Hamilton.

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	600,000
Other	
TOTAL	600,000
Subsidy M.T.C.	200,000
Contributions	
TOTAL	200,000
Net Cost	400,000
Amount to be Financed:	
Regional	160,000
Property Owners	
Other T.R.	240,000
TOTAL	400,000

Need for Project

The planned widening of roadway will increase the flow in the existing overloaded combined sewers; therefore, storm sewers are required to alleviate this condition.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985	200,000		200,000
1986	200,000	200,000	400,000
1987 & After			
TOTAL	400,000	200,000	600,000

Effect on Current Budget

Debt Charges	34,400
Annual Costs	1,300
TOTAL	35,700



FIVE YEAR CAPITAL BUDGET

99

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 35220
File Number:

Financial Report Page: 20
Appendix Page: A7

Project Description

Catharine Street from Augusta Street
to Young Street - Storm Sewers

Local Storm Sewers
Approximate Size - 675 mm Diameter
Approximate Length - 95 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	90,000
Other	
TOTAL	90,000

Subsidy M.T.C. Contributions	40,000
TOTAL	40,000

Net Cost	50,000
----------	--------

Amount to be Financed:	
Regional St. S.R.	50,000
Property Owners	
Other	

TOTAL	50,000
-------	--------

Need for Project

Completion of storm sewer installation
on Catharine Street for utilizing the
new storm sewer on Young Street and
relieving overload in the existing
combined sewers.

The work must be done in conjunction
with the planned road reconstruction.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985	30,000		30,000
1986	20,000	40,000	60,000
1987 & After			
TOTAL	50,000	40,000	90,000

Effect on Current Budget

Debt Charges	10,700
Annual Costs	100
TOTAL	10,800



FIVE YEAR CAPITAL BUDGET

100

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 35221
File Number:

Financial Report Page: 21
Appendix Page: A7

Project Description

Augusta Street from John Street to
Walnut Street - Storm Sewers

Local Storm Sewers
Approximate Size - 375 to 600 mm Diameter
Approximate Length - 265 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	220,000
Other	
TOTAL	220,000
Subsidy M.T.C.	100,000
Contributions	
TOTAL	100,000
Net Cost	120,000
Amount to be Financed:	
Regional St. S.R.	120,000
Property Owners	
Other	
TOTAL	120,000

Need for Project

Completion of storm sewer installation on Augusta Street for utilizing the new storm trunk sewer on Young Street and relieving overload in the existing combined sewers.

The work must be done in conjunction with the planned road reconstruction.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	70,000		70,000
1986	50,000	100,000	150,000
1987 & After			
TOTAL	120,000	100,000	220,000

Effect on Current Budget

Debt Charges	25,800
Annual Costs	400
TOTAL	26,200



FIVE YEAR CAPITAL BUDGET

101

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 35218
File Number:

Financial Report Page: 21
Appendix Page: A6

Project Description

Chedoke Creek
Pollution Control
Engineering, Hamilton

Pollution control works in Chedoke Creek basin and outlet in accordance with the findings of the study by McMaster University currently in progress.

Municipality

Hamilton

Capital Cost Estimate

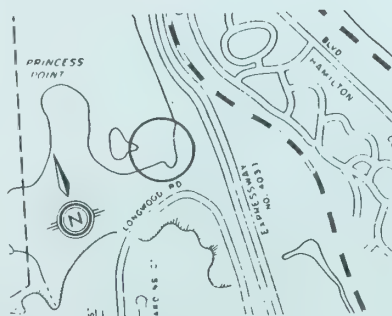
Design	
Land	
Construction	
Other - Engineering	200,000
TOTAL	200,000
Subsidy	NIL
Contributions	
TOTAL	NIL
Net Cost	200,000
Amount to be Financed:	
Regional St. S.R.	200,000
Property Owners	
Other	
TOTAL	200,000

Need for Project

To reduce pollution in Cootes Paradise from the inflowing waters of Chedoke Creek.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985	100,000		100,000
1986	100,000		100,000
1987 & After			
TOTAL	200,000		200,000

Effect on Current Budget

Debt Charges	42,900
Annual Costs	N/A
TOTAL	42,900



FIVE YEAR CAPITAL BUDGET

102

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 36222
File Number:

Financial Report Page: 21
Appendix Page: A7

Project Description

Shaw Street/Cheever Street - Storm Sewers

Local Storm Sewers
Approximate Size - 375 to 600 mm Diameter
Approximate Length - 335 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	200,000
Other	
TOTAL	200,000
Subsidy M.T.C.	80,000
Contributions	
TOTAL	80,000
Net Cost	120,000
Amount to be Financed:	
Regional ST. S.R.	120,000
Property Owners	
Other	
TOTAL	120,000

Need for Project

To relieve overload in the existing combined sewer system by utilizing the new storm sewer on Burton Street and servicing the Shaw Street/Cheever Street area with storm sewers.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	120,000	80,000	200,000
1987 & After			
TOTAL	120,000	80,000	200,000

Effect on Current Budget

Debt Charges	25,800
Annual Costs	500
TOTAL	26,300



FIVE YEAR CAPITAL BUDGET

103

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 36223
File Number:

Financial Report Page: 21
Appendix Page: A7

Project Description

Franklin Road from East 27th Street to
Upper Sherman Avenue - Storm Sewers

Local Storm Sewers
Approximate Size - 1050 mm Diameter
Approximate Length - 190 m, including
Road Repairs

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	200,000
Other	
TOTAL	200,000
Subsidy M.T.C.	80,000
Contributions	
TOTAL	80,000
Net Cost	120,000
Amount to be Financed:	
Regional St. S.R.	120,000
Property Owners	
Other	
TOTAL	120,000

Need for Project

The existing combined sewer is inadequate for storm drainage of the area.

Storm sewers must be installed to reduce basement flooding.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	120,000	80,000	200,000
1987 & After			
TOTAL	120,000	80,000	200,000

Effect on Current Budget

Debt Charges	25,800
Annual Costs	300
TOTAL	26,100



FIVE YEAR CAPITAL BUDGET

104

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 36226

File Number:

Financial Report Page: 21

Appendix Page: A7

Project Description

Catharine Street from King Street to Cannon Street - Sewer Reconstruction

Replacement of Existing 3'0" x 4'0" Sewer with 900 to 1050 mm Diameter Pipe, Approximate Length - 500 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	450,000
Other	
TOTAL	450,000

Subsidy M.T.C.	
Contributions	110,000
TOTAL	110,000
Net Cost	340,000

Amount to be Financed:	
Regional St. S.R.	340,000
Property Owners	
Other	
TOTAL	340,000

Need for Project

The existing combined sewer has failed structurally and it must be replaced in conjunction with road reconstruction.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	340,000	110,000	450,000
1987 & After			
TOTAL	340,000	110,000	450,000

Effect on Current Budget

Debt Charges	73,000
Annual Costs	700
TOTAL	73,700



FIVE YEAR CAPITAL BUDGET

105

1982 - 1986

Department/Agency: Engineering Function: Storm Sewers	Project Number: 36227 File Number:	Financial Report Page: 21 Appendix Page: A7																																										
<u>Project Description</u> Bay Street from Bold Street to Duke Street - Storm Sewers Local Storm Sewers Approximate Size - 375 to 450 mm Diameter Approximate Length - 105 m <u>Municipality</u> Hamilton	<u>Capital Cost Estimate</u> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Design</td> <td style="width: 10%;"></td> <td style="width: 30%;"></td> </tr> <tr> <td>Land</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td></td> <td style="text-align: right;">80,000</td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="text-align: right; border-top: 1px solid black;">80,000</td> </tr> <tr> <td>Subsidy M.T.C.</td> <td></td> <td style="text-align: right;">35,000</td> </tr> <tr> <td>Contributions</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="text-align: right; border-top: 1px solid black;">35,000</td> </tr> <tr> <td>Net Cost</td> <td></td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">45,000</td> </tr> <tr> <td>Amount to be Financed:</td> <td></td> <td></td> </tr> <tr> <td>Regional St. S.R.</td> <td></td> <td style="text-align: right;">45,000</td> </tr> <tr> <td>Property Owners</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">45,000</td> </tr> </table>	Design			Land			Construction		80,000	Other			TOTAL		80,000	Subsidy M.T.C.		35,000	Contributions			TOTAL		35,000	Net Cost		45,000	Amount to be Financed:			Regional St. S.R.		45,000	Property Owners			Other			TOTAL		45,000	<u>Need for Project</u> Completion of storm sewer installation on Bay Street for utilizing the new storm sewer on Duke Street and relieving overload in the existing combined sewers. The work must be done in conjunction with the planned road reconstruction.
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<u>Map to Locate Project</u>	<u>Cash Flow</u> O.M.B. Required 1986 Expenditures: <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th style="width: 30%;"></th> <th style="width: 15%; text-align: center;"><u>Region</u></th> <th style="width: 15%; text-align: center;"><u>Other Contrib</u></th> <th style="width: 40%; text-align: center;"><u>Total</u></th> </tr> <tr> <td>Prior To Budget</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1982</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1983</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1984</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1985</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1986</td> <td style="text-align: right;">45,000</td> <td style="text-align: right;">35,000</td> <td style="text-align: right;">80,000</td> </tr> <tr> <td>1987 & After</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">45,000</td> <td style="text-align: right; border-top: 1px solid black;">35,000</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">80,000</td> </tr> </table>		<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>	Prior To Budget				1982				1983				1984				1985				1986	45,000	35,000	80,000	1987 & After				TOTAL	45,000	35,000	80,000	<u>Additional Information</u>						
	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>																																									
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		<u>Effect on Current Budget</u> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Debt Charges</td> <td style="width: 30%; text-align: right;">9,700</td> </tr> <tr> <td>Annual Costs</td> <td style="text-align: right; border-top: 1px solid black;">100</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">9,800</td> </tr> </table>	Debt Charges	9,700	Annual Costs	100	TOTAL	9,800																																				
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FIVE YEAR CAPITAL BUDGET

106

1982 - 1986

Department/Agency: Engineering
Function: Transportation - Storm Sewers

Project Number: 36207 A
File Number: 813-14

Financial Report Page: 22
Appendix Page: A7

Project Description

McNab Street Storm Sewer, Cannon Street to Harbour - Construction, Trunk Storm Sewer

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	4,200,000
Other	

TOTAL	4,200,000
-------	-----------

Subsidy M.T.C.	1,000,000
Contributions	

TOTAL	1,000,000
-------	-----------

Net Cost	3,200,000
----------	-----------

Amount to be Financed:	
Regional St. S.R.	3,200,000
Property Owners	
Other	

TOTAL	3,200,000
-------	-----------

Need for Project

To relieve an existing trunk storm sewer servicing the C.B.D. of Hamilton.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985			
1986	200,000		200,000
1987 & After	3,000,000	1,000,000	4,000,000
TOTAL	3,200,000	1,000,000	4,200,000

Effect on Current Budget

Debt Charges	42,900
Annual Costs	1,500
TOTAL	44,400



FIVE YEAR CAPITAL BUDGET

107

1982 - 1986

Department/Agency: Engineering

Function: Storm Sewers

Project Number: 36225

File Number:

Financial Report Page: 22

Appendix Page: A7

Project Description

Kenilworth Avenue/McAnulty Boulevard
area - Storm Water Pumping Station
Storm Water Pumping Station

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	30,000
Construction	170,000
Other	
TOTAL	200,000

Subsidy	
Contributions	NIL
TOTAL	NIL

Net Cost	200,000
----------	---------

Amount to be Financed:	
Regional St. S.R.	200,000
Property Owners	
Other	
TOTAL	200,000

Need for Project

To alleviate the flooding under the C.N.R. bridge and to reduce basement flooding in the area by limiting the storm water input to the combined sewer system.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	50,000		50,000
1987 & After	150,000		150,000
TOTAL	200,000		200,000

Effect on Current Budget

Debt Charges	42,900
Annual Costs	5,000
TOTAL	47,900



FIVE YEAR CAPITAL BUDGET

108

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 81000 + 81000A
File Number:

Financial Report Page: 23 & 26
Appendix Page:

Project Description

Rated Storm Sewers and Minor
Improvements - 1981

Financing of Various Projects

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,100,000
Other	

TOTAL	2,100,000
-------	-----------

Subsidy M.T.C.	400,000
Contributions	

TOTAL	400,000
-------	---------

Net Cost	1,700,000
----------	-----------

Amount to be Financed:	
Regional St. S.R.	900,000
Property Owners	500,000
Other T.R.	300,000

TOTAL	1,700,000
-------	-----------

Need for Project

This item provides for the financing
of Local Improvement projects and
minor works normally arising from
road construction.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior			
To Budget	450,000	900,000	450,000
1982	750,000	900,000	1,650,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,200,000	900,000	2,100,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

109

1982 - 1986

<p>Department/Agency: Engineering</p> <p>Function: Storm Sewers</p>	<p>Project Number: 82000 + 82000A</p> <p>File Number:</p>	<p>Financial Report Page: 23 & 26</p> <p>Appendix Page:</p>																																													
<p><u>Project Description</u></p> <p>Rated Storm Sewers and Minor Improvements - 1982</p> <p>Financing of Various Projects</p> <p><u>Municipality</u></p>	<p><u>Capital Cost Estimate</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Design</td> <td style="width: 10%;"></td> <td style="width: 30%; text-align: right;">2,200,000</td> </tr> <tr> <td>Land</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">2,200,000</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Subsidy M.T.C. Contributions</td> <td></td> <td style="text-align: right;">400,000</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">400,000</td> </tr> <tr> <td>Net Cost</td> <td></td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">1,800,000</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Amount to be Financed:</td> <td></td> <td></td> </tr> <tr> <td>Regional St. S.R.</td> <td></td> <td style="text-align: right;">800,000</td> </tr> <tr> <td>Property Owners</td> <td></td> <td style="text-align: right;">700,000</td> </tr> <tr> <td>Other T.R.</td> <td></td> <td style="text-align: right;">300,000</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">1,800,000</td> </tr> </table>	Design		2,200,000	Land			Construction			Other			TOTAL		2,200,000				Subsidy M.T.C. Contributions		400,000	TOTAL		400,000	Net Cost		1,800,000				Amount to be Financed:			Regional St. S.R.		800,000	Property Owners		700,000	Other T.R.		300,000	TOTAL		1,800,000	<p><u>Need for Project</u></p> <p>See Item #81000</p>
Design		2,200,000																																													
Land																																															
Construction																																															
Other																																															
TOTAL		2,200,000																																													
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Amount to be Financed:																																															
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Property Owners		700,000																																													
Other T.R.		300,000																																													
TOTAL		1,800,000																																													
<p><u>Map to Locate Project</u></p>	<p><u>Cash Flow</u></p> <p>O.M.B. Required 1982</p> <p>Expenditures:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;"><u>Region</u></th> <th style="width: 15%; text-align: center;"><u>Other Contrib</u></th> <th style="width: 15%; text-align: center;"><u>Total</u></th> </tr> </thead> <tbody> <tr> <td>Prior To Budget</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1982</td> <td style="text-align: right;">750,000</td> <td style="text-align: right;">350,000</td> <td style="text-align: right;">1,000,000</td> </tr> <tr> <td>1983</td> <td style="text-align: right;">450,000</td> <td style="text-align: right;">750,000</td> <td style="text-align: right;">1,200,000</td> </tr> <tr> <td>1984</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1985</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1986</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1987 & After</td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">1,100,000</td> <td style="text-align: right;">1,100,000</td> <td style="text-align: right;">2,200,000</td> </tr> </tbody> </table>		<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>	Prior To Budget				1982	750,000	350,000	1,000,000	1983	450,000	750,000	1,200,000	1984				1985				1986				1987 & After				TOTAL	1,100,000	1,100,000	2,200,000	<p><u>Additional Information</u></p> <p><u>Effect on Current Budget</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Debt Charges</td> <td style="width: 40%; text-align: right;">_____</td> </tr> <tr> <td>Annual Costs</td> <td style="text-align: right;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right;">_____</td> </tr> </table>	Debt Charges	_____	Annual Costs	_____	TOTAL	_____			
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Debt Charges	_____																																														
Annual Costs	_____																																														
TOTAL	_____																																														



FIVE YEAR CAPITAL BUDGET

110

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 83000 + 83000A
File Number:

Financial Report Page: 23 & 26
Appendix Page:

Project Description

Rated Storm Sewers and Minor
Improvements - 1983

Financing of Various Projects

Municipality

Capital Cost Estimate

Design
Land
Construction 2,300,000
Other

TOTAL 2,300,000

Subsidy M.T.C.
Contributions 400,000

TOTAL 400,000

Net Cost 1,900,000

Amount to be Financed:
Regional St. S.R. 1,000,000
Property Owners 700,000
Other T.R. 200,000

TOTAL 1,900,000

Need for Project

See Item #81000

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983	700,000	300,000	1,000,000
1984	500,000	800,000	1,300,000
1985			
1986			
1987 & After			
TOTAL	1,200,000	1,100,000	2,300,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

111

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 84000 + 84000A
File Number:

Financial Report Page: 23 & 27
Appendix Page:

Project Description

Rated Storm Sewers and Minor
Improvements - 1984

Financing of Various Projects

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,400,000
Other	
TOTAL	2,400,000

Subsidy M.T.C.	500,000
Contributions	
TOTAL	500,000

Net Cost	1,900,000
----------	-----------

Amount to be Financed:	
Regional St. S.R.	1,000,000
Property Owners	700,000
Other T.R.	200,000
TOTAL	1,900,000

Need for Project

See Item #81000

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1984

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984	500,000	600,000	1,100,000
1985	700,000	600,000	1,300,000
1986			
1987 & After			
TOTAL	1,200,000	1,200,000	2,400,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

112

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 85000 + 85000A
File Number:

Financial Report Page: 23 & 27
Appendix Page:

Project Description

Rated Storm Sewers and Minor
Improvements - 1985

Financing of Various Projects

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,500,000
Other	

TOTAL	<u>2,500,000</u>
-------	------------------

Subsidy M.T.C.	500,000
Contributions	

TOTAL	<u>500,000</u>
-------	----------------

Net Cost	<u>2,000,000</u>
----------	------------------

Amount to be Financed:	
Regional St. S.R.	1,100,000
Property Owners	700,000
Other T.R.	200,000

TOTAL	<u>2,000,000</u>
-------	------------------

Need for Project

See Item #81000

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985	550,000	650,000	1,200,000
1986	750,000	550,000	1,300,000
1987 & After			
TOTAL	1,300,000	1,200,000	2,500,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

113

1982 - 1986

Department/Agency: Engineering
Function: Storm Sewers

Project Number: 86000 + 86000A
File Number:

Financial Report Page: 23 & 27
Appendix Page:

Project Description

Rated Storm Sewers and Minor
Improvements - 1986

Financing of Various Projects

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,600,000
Other	
TOTAL	2,600,000

Subsidy M.T.C.	600,000
Contributions	
TOTAL	600,000

Net Cost	2,000,000
----------	-----------

Amount to be Financed:	
Regional St. S.R.	1,100,000
Property Owners	700,000
Other T.R.	200,000
TOTAL	2,000,000

Need for Project

See Item #82000

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	1,000,000	300,000	1,300,000
1987 & After	300,000	1,000,000	1,300,000
TOTAL	1,300,000	1,300,000	2,600,000

Effect on Current Budget

Debt Charges	_____
Annual Costs	_____
TOTAL	_____



FIVE YEAR CAPITAL BUDGET

114

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 38224
File Number:

Financial Report Page: 28
Appendix Page:

Project Description

Secondary Sewage Treatment Plant -
Hamilton
Engineering and Construction

Municipality
Hamilton

Capital Cost Estimate

Design	
Land	
Construction	22,650,000
Other	430,000
TOTAL	23,080,000

Subsidy CMHC	11,359,000
Contributions OWRC	7,936,000
TOTAL	19,295,000

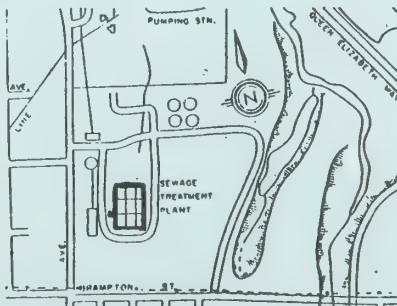
Net Cost	3,785,000
----------	-----------

Amount to be Financed:	
Regional S. Surcharge	3,785,000
Property Owners	
Other	
TOTAL	3,785,000

Need for Project

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	430,000	15,448,000	15,878,000
1982	3,355,000	3,847,000	7,202,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	3,785,000	19,295,000	23,080,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

115

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 34702
File Number:

Financial Report Page: 28
Appendix Page:

Project Description

Expansion of Sewage Treatment Plant - Design
King Street - Dundas (OHAP-200) - 1977
To expand Existing Sewage Treatment Plant from 1.5 M.I.G.D. to 4.0 M.I.G.D.

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	
Other	200,000
TOTAL	200,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	200,000
----------	---------

Amount to be Financed:	
Regional S. Surcharge	200,000
Property Owners	
Other	
TOTAL	200,000

Need for Project

To provide additional capacity for growth in Dundas.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

Prior To Budget	Region	Other Contrib	Total
	200,000		200,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	200,000		200,000

Effect on Current Budget

Debt Charges	_____
Annual Costs	_____
TOTAL	_____



FIVE YEAR CAPITAL BUDGET

116

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 35704
File Number:

Financial Report Page: 28
Appendix Page:

Project Description

Eastern Trunk Sanitary Sewer - King Street Plant to York Road (OHAP - 200/1978)

Municipality

Dundas

Capital Cost Estimate

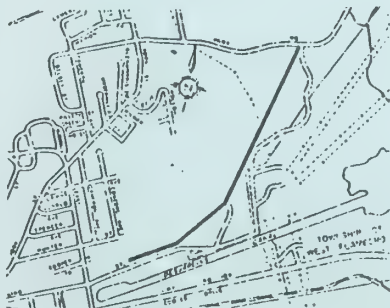
Design	
Land	
Construction	800,000
Other	
TOTAL	800,000
CMHC	104,000
Subsidy M.O.E.	41,000
Contributions OHAP	200,000
TOTAL	345,000
Net Cost	455,000
Amount to be Financed:	
Regional S.R.	455,000
Property Owners	
Other	
TOTAL	455,000

Need for Project

To provide service to future development and eliminate septic tank pollution problems.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

Prior	Region	Other	Total
To Budget		Contrib	
1982	68,000		68,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	455,000	345,000	800,000

Effect on Current Budget

Debt Charges	14,600
Annual Costs	
TOTAL	14,600



FIVE YEAR CAPITAL BUDGET

117

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 34701
File Number:

Financial Report Page: 28
Appendix Page:

Project Description

Western Sanitary Trunk Sewer - Phase I
and Phase II - Dundas (OHAP - 1000/1978)

Sanitary Trunk Sewer, approximately
54", and to run along York Street, Main
Street, Governor's Road and Private Land

Municipality

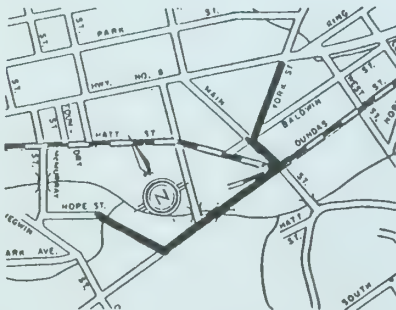
Dundas

Capital Cost Estimate

Design	
Land	
Construction	1,462,000
Other	
TOTAL	1,462,000
M.O.E.	79,000
Subsidy CMHC	230,000
Contributions OHAP	1,000,000
S.L.	40,000
TOTAL	1,349,000
Net Cost	113,000
Amount to be Financed:	
Regional S. Surcharge	113,000
Property Owners	
Other	
TOTAL	113,000

Need for Project

Map to Locate Project



Cash Flow

	O.M.B. Required	Received	
Expenditures:			
	Region	Other Contrib	Total
Prior To Budget	113,000	1,349,000	1,462,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	113,000	1,349,000	1,462,000

Additional Information

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

118

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 35238
File Number:

Financial Report Page: 28
Appendix Page:

Project Description

Mountain Industrial Trunk Sanitary
Sewer and Branch Sewers between Stone
Church and Rymal Road

Municipality

Hamilton

Capital Cost Estimate

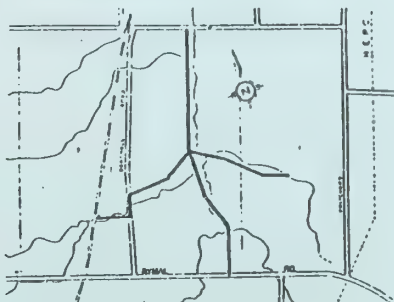
Design	
Land	
Construction	890,000
Other	
TOTAL	890,000
Subsidy M.O.E.	125,000
Contributions CMHC	285,000
TOTAL	410,000
Net Cost	480,000
Amount to be Financed:	
Regional S. Surcharge	480,000
Property Owners	
Other	
TOTAL	480,000

Need for Project

To provide service to lands along
Rymal Road from approximately Trinity
Church Road to Upper Sherman Avenue.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	605,000	285,000	890,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	605,000	285,000	890,000

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL _____



FIVE YEAR CAPITAL BUDGET

119

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 35903
File Number:

Financial Report Page: 28
Appendix Page:

Project Description

Stoney Creek Valley from Battlefield
Creek to Queenston Road - Construction

Trunk Sanitary Sewer
Approximate Size - 48"

Municipality
Stoney Creek

Capital Cost Estimate

Design	50,000
Land	410,000
Construction	
Other	

TOTAL 460,000

Subsidy M.O.E.	100,000
Contributions	

TOTAL 100,000

Net Cost 360,000

Amount to be Financed:	
Regional S. Surcharge	360,000
Property Owners	
Other	

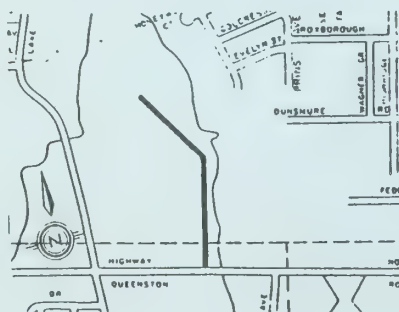
TOTAL 360,000

Need for Project

To provide service to lands along
Queenston Road and provide for future
abandonment of a pumping station.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	460,000		460,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	460,000		460,000

Effect on Current Budget

Debt Charges*	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

120

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 36226-A
File Number: 819-06

Financial Report Page: 29
Appendix Page:

Project Description

Woodward Avenue Sewage Treatment Plant
Expansion - Phase I - Construction

Increase the S.T.P. Capacity beyond
the Existing Capacity of 60 M.I.G.D.

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	8,000,000
Other	
TOTAL	8,000,000

Subsidy M.O.F.	839,000
Contributions CMHC	5,607,000
TOTAL	6,446,000

Net Cost	1,554,000
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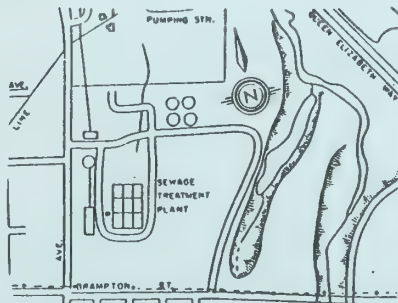
Amount to be Financed:	
Regional S. Surcharge	1,554,000
Property Owners	
Other	
TOTAL	1,554,000

Need for Project

The existing plant will be
overloaded in 76 - 77.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	1,554,000	6,446,000	8,000,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,554,000	6,446,000	8,000,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

121

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: H1204, H2303 & H2304
File Number: 328-43

Financial Report Page: 29
Appendix Page:

Project Description

Limeridge Road, Upper Wentworth Street,
Upper Wellington Street - Region's
Portion (OHAP-220/1978)

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	618,000
Other	
TOTAL	618,000
Subsidy	
Contributions OHAP	220,000
TOTAL	220,000
Net Cost	398,000
Amount to be Financed:	
Regional	85,000
Property Owners	313,000
Other	
TOTAL	398,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget		265,000	265,000
1982	85,000	268,000	353,000
1982			
1984			
1985			
1986			
1987 & After			
TOTAL	85,000	533,000	618,000

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL _____



FIVE YEAR CAPITAL BUDGET

122

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 37223
File Number: 802-15

Financial Report Page: 29
Appendix Page:

Project Description

Bold Street from James Street to Charles Street

Local Sanitary Sewer, 10" Diameter,
Approximate Length - 780', Private
Drains and Road Repairs

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	30,000
Other	
TOTAL	30,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	30,000

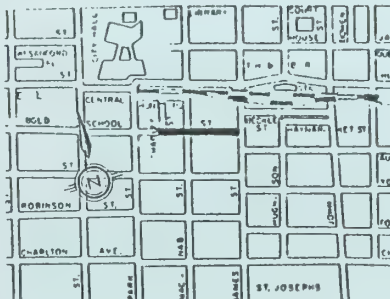
Amount to be Financed:	
Regional S. Surcharge	30,000
Property Owners	
Other	
TOTAL	30,000

Need for Project

The existing combined sewer has
insufficient capacity and cannot
be maintained.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	30,000		30,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	30,000		30,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

123

1982 - 1986

Department/Agency: Engineering
Function: Sanitary Sewer System

Project Number: 37224
File Number:

Financial Report Page: 29
Appendix Page:

Project Description

Southwest Central Area - Reconstruction of Sewers on Duke Street between MacNab and Park Streets

250 mm Diameter Local Sanitary Sewer, Private Drains and Road Repairs

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	69,000
Other	
TOTAL	69,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	69,000
----------	--------

Amount to be Financed:	
Regional S. Surcharge	69,000
Property Owners	
Other	
TOTAL	69,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	69,000		69,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	69,000		69,000

Effect on Current Budget

Debt Charges	_____
Annual Costs	_____
TOTAL	_____



FIVE YEAR CAPITAL BUDGET

124

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 36208A
File Number:

Financial Report Page: 29
Appendix Page:

Project Description

Mountain Industrial Sewer, Western
Connection - Construction (Sanitary)

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	212,000
Other	
TOTAL	212,000
Subsidy M.O.E. & M.T.C.	26,000
Contributions	
TOTAL	26,000
Net Cost	186,000
Amount to be Financed:	
Regional S. Surcharge	186,000
Property Owners	
Other	
TOTAL	186,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received
Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	186,000	26,000	212,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	186,000	26,000	212,000

Effect on Current Budget

Debt Charges _____
Annual Costs _____
TOTAL _____



FIVE YEAR CAPITAL BUDGET

125

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 37211
File Number:

Financial Report Page: 30
Appendix Page:

Project Description

Q.E.W. Sanitary Trunk Sewer from DeWitt Road to Fruitland Road

Sanitary Trunk Sewer - 60" Diameter in Tunnel

Municipality

Stoney Creek

Capital Cost Estimate

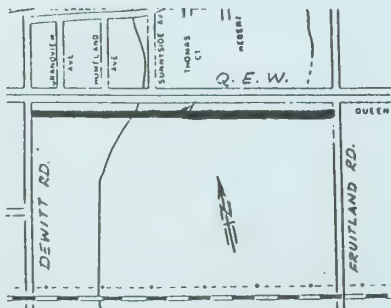
Design	
Land	
Construction	800,000
Other	
TOTAL	800,000
Subsidy M.O.E.	136,000
Contributions	
TOTAL	136,000
Net Cost	664,000
Amount to be Financed:	
Regional S. Surcharge	664,000
Property Owners	
Other	
TOTAL	664,000

Need for Project

To provide service to the land west of Fruitland Road, which has been approved for urbanization.

Additional Information

Map to Locate Project



Cash Flow

	O.M.B. Required	Received	
Expenditures:			
		Other	Total
Prior	Region	Contrib	
To Budget	664,000	136,000	800,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	664,000	136,000	800,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

126

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 37210
File Number:

Financial Report Page: 30
Appendix Page:

Project Description

Ancaster Industrial Pumping Station and Force Main (H 13) - Engineering and Land

Sanitary Sewage Pumping Station and Force Main
Approximate Size - 20" Diameter
Approximate Length - 18,000'

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	20,000
Construction	
Other	180,000
TOTAL	200,000

Subsidy Contributions	
TOTAL	NIL
Net Cost	200,000

Amount to be Financed:	
Regional	200,000
Property Owners	
Other	
TOTAL	200,000

Need for Project

To service designated industrial lands between Town of Ancaster and Trinity Road, South of Hwy. #2.

Additional Information

Map to Locate Project



Cash Flow

	O.M.B. Required Expenditures:	Received	
	Region	Other Contrib	Total
Prior To Budget	170,000		170,000
1982	30,000		30,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	200,000		200,000

Effect on Current Budget

Debt Charges	6,400
Annual Costs	
TOTAL	6,400



FIVE YEAR CAPITAL BUDGET

127

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 37226-B
File Number: 819-12

Financial Report Page: 30
Appendix Page:

Project Description

Woodward Avenue Sewage Treatment Plant
Expansion - Phase II - Engineering

Extension to Chlorine Contact Chamber,
New Primary Clarifiers, New Degritting
Complex

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	200,000
TOTAL	200,000

Subsidy M.O.E.	25,000
Contributions	
TOTAL	25,000
Net Cost	175,000

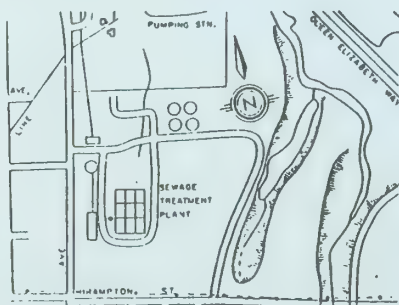
Amount to be Financed:	
Regional S. Surcharge	175,000
Property Owners	
Other	
TOTAL	175,000

Need for Project

To maintain capacity at the treatment
plant.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	160,000		160,000
1982	15,000	25,000	40,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	175,000	25,000	200,000

Effect on Current Budget

Debt Charges	3,100
Annual Costs	
TOTAL	3,100



FIVE YEAR CAPITAL BUDGET

128

1982 - 1986

Department/Agency: Engineering

Function: Sewage Works

Project Number: 38230

File Number: 819-35

Financial Report Page: 30

Appendix Page:

Project Description

Ricwil Steam System - Woodward Avenue
Sewage Treatment Plant - Construction

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	360,000
Other	
TOTAL	360,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	360,000
----------	---------

Amount to be Financed:	
Regional S. Surcharge	360,000
Property Owners	
Other	
TOTAL	360,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	325,000		325,000
1982	35,000		35,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	360,000		360,000

Effect on Current Budget

Debt Charges	7,500
Annual Costs	
TOTAL	7,500



FIVE YEAR CAPITAL BUDGET

129

1982 - 1986

Department/Agency: Engineering
Function: Sewage Treatment

Project Number: 38242
File Number:

Financial Report Page: 30
Appendix Page:

Project Description

Hilton Street from Markland to
Aberdeen Avenue - Sewer Reconstruction

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	40,000
Other	

TOTAL	40,000
-------	--------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost	40,000
----------	--------

Amount to be Financed:

Regional	40,000
Property Owners	
Other	

TOTAL	40,000
-------	--------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received
Expenditures: Other

Prior	Region	Other	Total
To Budget		Contrib	
	40,000		40,000

1982

1983

1984

1985

1986

1987 & After

TOTAL	40,000		40,000
-------	--------	--	--------

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

130

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 33240A
File Number:

Financial Report Page: 30
Appendix Page:

Project Description

Mountain Industrial Trunk Sanitary
Sewer - Rymal Road to 850 Metres
Southerly - Construction

Sub-Trunk Sanitary Sewer in Valley and
Connection on Rymal Road
Approximate Size - 760 mm Diameter

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	370,000
Other	
TOTAL	370,000

Subsidy	
Contributions	
TOTAL	

Net Cost	70,000
----------	--------

Amount to be Financed:	
Regional S. Surcharge	70,000
Property Owners	
Other	

TOTAL	70,000
-------	--------

Need for Project

To provide service to lands south
of Rymal Road in the Red Hill
Creek tributary, east of C.N.R.
Line.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received
Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior			
To Budget	357,000		357,000
1982	13,000		13,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	370,000		370,000

Effect on Current Budget

Debt Charges	2,800
Annual Costs	
TOTAL	2,800



FIVE YEAR CAPITAL BUDGET

131

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 39215
File Number:

Financial Report Page: 31
Appendix Page:

Project Description

Jackson Street from John Street to
Spring Street - Reconstruction

Municipality
Hamilton

Capital Cost Estimate

Design	
Land	
Construction	60,000
Other	

TOTAL	60,000
-------	--------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost	60,000
----------	--------

Amount to be Financed:

Regional	60,000
Property Owners	
Other	

TOTAL	60,000
-------	--------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982	60,000		60,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	60,000		60,000

Effect on Current Budget

Debt Charges	12,800
Annual Costs	
TOTAL	12,800



FIVE YEAR CAPITAL BUDGET

132

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 39214
File Number:

Financial Report Page: 31
Appendix Page:

Project Description

Charlton, Aurora, Forest Avenue and
Wellington Street - Repairs

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	30,000
Other	
TOTAL	30,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	30,000
----------	--------

Amount to be Financed:	
Regional	30,000
Property Owners	
Other	
TOTAL	30,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Expenditures:		Received	
Prior To Budget	Region	Other Contrib	Total
	30,000		30,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	30,000		30,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

133

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 39216
File Number:

Financial Report Page: 31
Appendix Page:

Project Description

Young Street from James Street to Catharine

Municipality

Hamilton

Capital Cost Estimate

Design
Land
Construction 20,000
Other

TOTAL 20,000

Subsidy
Contributions

TOTAL NIL

Net Cost

20,000

Amount to be Financed:

Regional 20,000

Property Owners
Other

TOTAL 20,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

Prior	Region	Other Contrib	Total
To Budget	20,000		20,000

1982

1983

1984

1985

1986

1987 & After

TOTAL 20,000 20,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

134

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 39222
File Number:

Financial Report Page: 31
Appendix Page:

Project Description

Q.E.W. Trunk Sewer from Fruitland Road
to Jones Road - Engineering

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	150,000
TOTAL	150,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	150,000
----------	---------

Amount to be Financed:	
Regional	150,000
Property Owners	
Other	
TOTAL	150,000

Need for Project

Municipality

Stoney Creek

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	20,000		20,000
1982	130,000		130,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	150,000		150,000

Effect on Current Budget

Debt Charges	27,900
Annual Costs	
TOTAL	27,900



FIVE YEAR CAPITAL BUDGET

135

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 37210A
File Number:

Financial Report Page: 31
Appendix Page: A12

Project Description

Ancaster Industrial Pumping Station
and Force Main S-H13 - Construction

Municipality
Ancaster

Capital Cost Estimate

Design	
Land	
Construction	2,800,000
Other	

TOTAL	2,800,000
-------	-----------

Subsidy M.O.E.	300,000
Contributions	

TOTAL	300,000
-------	---------

Net Cost	2,500,000
----------	-----------

Amount to be Financed:	
Regional	2,500,000
Property Owners	
Other	

TOTAL	2,500,000
-------	-----------

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	1,000,000		1,000,000
1983	1,500,000	300,000	1,800,000
1984			
1985			
1986			
1987 & After			
TOTAL	2,500,000	300,000	2,800,000

Effect on Current Budget

Debt Charges	536,700
Annual Costs	
TOTAL	536,700



FIVE YEAR CAPITAL BUDGET

136

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 30233
File Number: 802-31

Financial Report Page: 31
Appendix Page:

Project Description

Burton Street from Victoria Avenue to
Wentworth Street - Sewer Repairs

Combined Sewer Repairs

Municipality

Hamilton

Capital Cost Estimate

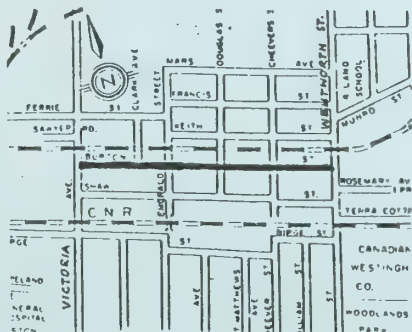
Design	
Land	
Construction	220,000
Other	
TOTAL	220,000
Subsidy MTC	158,000
Contributions	
TOTAL	158,000
Net Cost	62,000
Amount to be Financed:	
Regional S. Surcharge	62,000
Property Owners	
Other	
TOTAL	62,000

Need for Project

The existing combined sewer must be repaired in conjunction with the installation of new storm sewers and road reconstruction in 1980.

Additional Information

Map to Locate Project



Cash Flow

	O.M.B. Required	Received	
	Expenditures:	Other Contrib	Total
Prior To Budget		73,000	73,000
1982	62,000	85,000	147,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	62,000	158,000	220,000

Effect on Current Budget

Debt Charges	13,300
Annual Costs	N/A
TOTAL	13,300



FIVE YEAR CAPITAL BUDGET

137

1982 - 1986

Department/Agency: Engineering

Function: Sewage Works

Project Number: 30207

File Number: 803-26

Financial Report Page: 32

Appendix Page:

Project Description

Caroline Street from Bold Street to
52 Metres Northerly - Sewer
Reconstruction

Replacement of Existing 300 mm Diameter
Sewer

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	45,000
Other	
TOTAL	45,000
Subsidy MTC	15,000
Contributions	
TOTAL	15,000
Net Cost	30,000
Amount to be Financed:	
Regional S. Surcharge	30,000
Property Owners	
Other	
TOTAL	30,000

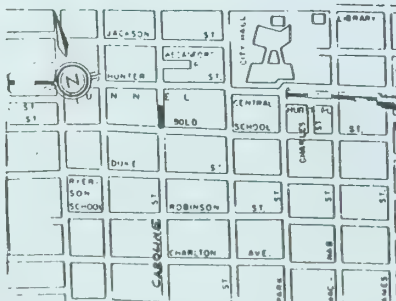
Need for Project

The existing combined sewer is
insufficient in capacity and
cannot be maintained properly.

Additional Information

The replacement must be done in
conjunction with the planned road
reconstruction and storm sewer
installation in 1980.

Map to Locate Project



Cash Flow

O.M.B. Required

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	30,000	5,000	35,000
1982		10,000	10,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	30,000	15,000	45,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

138

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 30208
File Number: 817-06

Financial Report Page: 32
Appendix Page:

Project Description

Q.E.W. Sanitary Trunk Sewer from
Fruitland Road to midway between Glover
Road and McNeily Road - Construction

Sanitary Trunk Sewer
Approximate Size - 1500 to 1650 mm
Diameter
Approximate Length - 2350 Metres

Municipality

Stoney Creek

Capital Cost Estimate

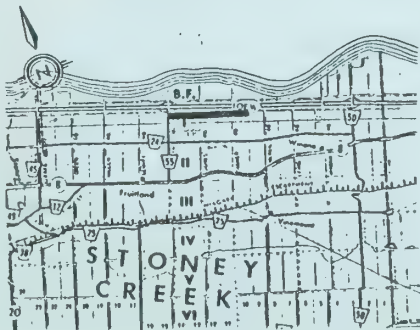
Design	
Land	
Construction	1,300,000
Other	
TOTAL	1,300,000
Subsidy M.O.E.	200,000
Contributions C.O.A.S.P.	300,000
TOTAL	500,000
Net Cost	800,000
Amount to be Financed:	
Regional S. Surcharge	800,000
Property Owners	
Other	
TOTAL	800,000

Need for Project

To continue the supply of industrial
land in the Q.E.W. area.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	10,000		10,000
1982	290,000	200,000	490,000
1983	500,000	300,000	800,000
1984			
1985			
1986			
1987 & After			
TOTAL	800,000	500,000	1,300,000

Effect on Current Budget

Debt Charges	171,000
Annual Costs	1,600
TOTAL	172,600



FIVE YEAR CAPITAL BUDGET

139

1982 - 1986

Department/Agency: Engineering

Function: Sewage Works

Project Number: 30209

File Number: 818-08

Financial Report Page: 32

Appendix Page:

Project Description

Royal Avenue - Sanitary Trunk Sewer - Stage 1

Sanitary Trunk Sewer from near Stroud Road to Bowman Avenue

Approximate Size - 910 mm Diameter

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	119,000
Other	
TOTAL	119,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	119,000

Amount to be Financed:	
Regional S. Surcharge	119,000
Property Owners	
Other	
TOTAL	119,000

Need for Project

To intercept sanitary sewage originating from the separated sewer area above escarpment and thus reducing overflow to Cootes Paradise.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	119,000		119,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	119,000		119,000

Effect on Current Budget

Debt Charges	
Annual Costs	600
TOTAL	600



FIVE YEAR CAPITAL BUDGET

140

1982 - 1986

Department/Agency: Engineering

Function: Sewage Works

Project Number: 30211

File Number: 801-10

Financial Report Page: 32

Appendix Page:

Project Description

Aberdeen Avenue Sewage Pumping Station
and Associated Sewers

Small Pumping Station, Gravity Sewer,
and Force Main

Municipality

Hamilton

Capital Cost Estimate

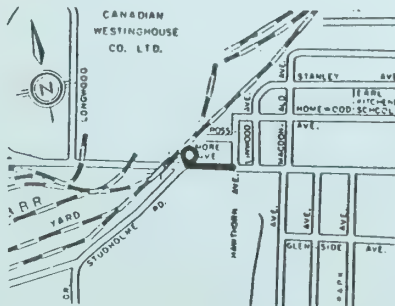
Design	
Land	
Construction	150,000
Other	
TOTAL	150,000
Subsidy M.O.E.	20,000
Contributions	
TOTAL	20,000
Net Cost	130,000
Amount to be Financed:	
Regional S. Surcharge	130,000
Property Owners	
Other	
TOTAL	130,000

Need for Project

The sanitary sewage from a few
houses cannot be intercepted with
the present system.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	80,000		80,000
1983	50,000	20,000	70,000
1984			
1985			
1986			
1987 & After			
TOTAL	130,000	20,000	150,000

Effect on Current Budget

Debt Charges	27,900
Annual Costs	5,000
TOTAL	32,900



FIVE YEAR CAPITAL BUDGET

141

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 30215
File Number:

Financial Report Page: 32
Appendix Page:

Project Description

Greenhill Avenue - Storage - Treatment
Basin - Engineering and Land

90 Million Litres partially covered
Storage Tank and Settling Basin

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	50,000
Construction	
Other	170,000
TOTAL	220,000

Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	220,000

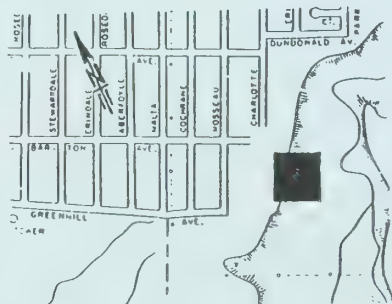
Amount to be Financed:	
Regional S. Surcharge	220,000
Property Owners	
Other	
TOTAL	220,000

Need for Project

To reduce pollution in Red Hill
Creek and Burlington Bay by
controlling overflow from a
combined trunk sewer.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	50,000		50,000
1983	170,000		170,000
1984			
1985			
1986			
1987 & After			
TOTAL	220,000		220,000

Effect on Current Budget

Debt Charges	47,200
Annual Costs	N/A
TOTAL	47,200



FIVE YEAR CAPITAL BUDGET

142

1982 - 1986

Department/Agency: Engineering

Function: Sewage Works

Project Number: 31210

File Number:

Financial Report Page: 32

Appendix Page:

Project Description

Locke Street from Peter Street to
Florence Street - Sanitary Sewer -
Hamilton

Local Sanitary Sewer - 250 mm Diameter,
Approximate Length - 80 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	22,000
Other	
TOTAL	22,000
Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	22,000
Amount to be Financed:	
Regional S. Surcharge	22,000
Property Owners	
Other	
TOTAL	22,000

Need for Project

The new sanitary sewer must be
installed as replacement for the
existing substandard drains in
conjunction with the planned road
reconstruction and storm sewer
installation in 1981.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	11,000		11,000
1982	11,000		11,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	22,000		22,000

Effect on Current Budget

Debt Charges	2,400
Annual Costs	200
TOTAL	2,600



FIVE YEAR CAPITAL BUDGET

143

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 31211
File Number:

Financial Report Page: 33
Appendix Page:

Project Description

Queen Street from Barton to Napier -
Sewer Reconstruction - Hamilton

Installation of New Sanitary Sewer
Approximate Size - 250 to 375 mm Diameter
Approximate Length - 650 m

Municipality
Hamilton

Capital Cost Estimate

Design	
Land	
Construction	300,000
Other	
TOTAL	300,000
Subsidy	NIL
Contributions	
TOTAL	NIL
Net Cost	300,000
Amount to be Financed:	
Regional S. Surcharge	300,000
Property Owners	
Other	
TOTAL	300,000

Need for Project

The existing combined sewer has failed structurally and it may collapse.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	4,000		4,000
1982	296,000		296,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	300,000		300,000

Effect on Current Budget

Debt Charges	63,500
Annual Costs	1,300
TOTAL	64,800



FIVE YEAR CAPITAL BUDGET

144

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 31212
File Number:

Financial Report Page: 33
Appendix Page:

Project Description

Birge Street from Wentworth Street to
Cheever Street - Sewer Repairs -
Hamilton

Combined Sewer Repairs

Municipality

Hamilton

Capital Cost Estimate

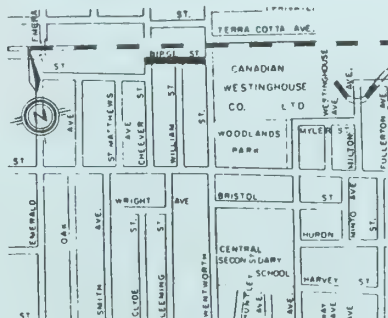
Design	
Land	
Construction	75,000
Other	
TOTAL	75,000
Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	75,000
Amount to be Financed:	
Regional S. Surcharge	75,000
Property Owners	
Other	
TOTAL	75,000

Need for Project

The existing combined sewer must
be repaired in conjunction with
the installation of new storm sewer
and road reconstruction in 1981.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	64,000		64,000
1982	11,000		11,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	75,000		75,000

Effect on Current Budget

Debt Charges	2,400
Annual Costs	N/A
TOTAL	2,400



FIVE YEAR CAPITAL BUDGET

145

1982 - 1986

Department/Agency: Engineering
Function: Sanitary Sewers

Project Number: 31215
File Number:

Financial Report Page: 33
Appendix Page: A9

Project Description

Woodward Avenue Sewage Treatment Plant
- Sludge Disposal - Engineering

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	1,100,000
TOTAL	1,100,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	1,100,000
----------	-----------

Amount to be Financed:	
Regional S. Surcharge	1,100,000
Property Owners	
Other	
TOTAL	1,100,000

Need for Project

To achieve sufficient capacity to process the quantity of sludge presently captured and to provide additional capacity for future growth.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	1,100,000		1,100,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,100,000		1,100,000

Effect on Current Budget

Debt Charges	236,100
Annual Costs	
TOTAL	236,100



FIVE YEAR CAPITAL BUDGET

146

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 31216
File Number:

Financial Report Page: 33
Appendix Page: A9

Project Description

Woodward Avenue Sewage Treatment Plant
- Ashline Construction - Hamilton

Add a Second Ashline to transport
Incinerator Ash to Disposal Facility

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	275,000
Other	
TOTAL	275,000

Subsidy	
Contributions	NIL
TOTAL	

Net Cost	275,000
----------	---------

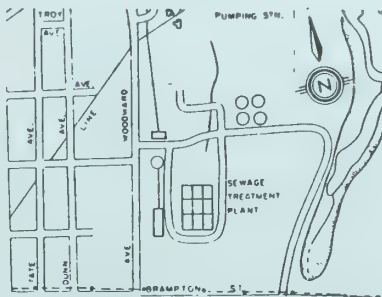
Amount to be Financed:	
Regional S. Surcharge	275,000
Property Owners	
Other	
TOTAL	275,000

Need for Project

The existing line requires repairs
to extend the life of the facility.
This can only be done after a second
line has been added.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	275,000		275,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	275,000		275,000

Effect on Current Budget

Debt Charges	59,000
Annual Costs	N/A
TOTAL	59,000



FIVE YEAR CAPITAL BUDGET

147

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 32220
File Number:

Financial Report Page: 33
Appendix Page: A9

Project Description

Woodward Avenue - S.T.P. - Chlorination
Addition of Chlorination Equipment

Municipality

Hamilton

Capital Cost Estimate

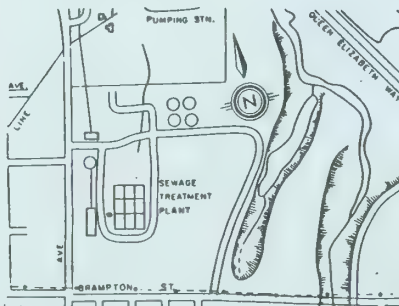
Design	
Land	
Construction	70,000
Other	
TOTAL	70,000
Subsidy C.O.A.S.P.	8,000
Contributions	
TOTAL	8,000
Net Cost	62,000
Amount to be Financed:	
Regional S. Surcharge	62,000
Property Owners	
Other	
TOTAL	62,000

Need for Project

To assure the bacteria kill for present flow.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981
Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	62,000	8,000	70,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	62,000	8,000	70,000

Effect on Current Budget

Debt Charges	13,300
Annual Costs	N/A
TOTAL	13,300



FIVE YEAR CAPITAL BUDGET

148

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 32219
File Number:

Financial Report Page: 33
Appendix Page: A4

Project Description

Fife Street from Chestnut Avenue to Sherman Avenue - Reconstruction of Sewers

Local Sanitary Sewer - 250 mm Diameter, Private Drains and Pavement Restoration

Approximate Length - 135 Metres

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	65,000
Other	
TOTAL	65,000
Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	65,000
Amount to be Financed:	
Regional S. Surcharge	65,000
Property Owners	
Other	
TOTAL	65,000

Need for Project

Required to replace overloaded combined sewers and to correct local deficiencies.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	65,000		65,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	65,000		65,000

Effect on Current Budget

Debt Charges	13,500
Annual Costs	300
TOTAL	13,800



FIVE YEAR CAPITAL BUDGET

149

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 32223
File Number:

Financial Report Page: 34
Appendix Page: A4

Project Description

Pleasant Avenue from King's Gage to
Edenbridge Court
Relief Sanitary Sewer - Dundas
Sanitary Sewer
Approximate Size - 250 mm Diameter
Approximate Length - 275 m

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	200,000
Other	
TOTAL	200,000
Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	200,000
Amount to be Financed:	
Regional S. Surcharge	200,000
Property Owners	
Other	
TOTAL	200,000

Need for Project

To reduce basement flooding in the area caused by excessive infiltration of storm and ground water through existing private sanitary drains to the municipal sanitary sewers.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982
Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	200,000		200,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	200,000		200,000

Effect on Current Budget

Debt Charges	42,900
Annual Costs	600
TOTAL	43,500



FIVE YEAR CAPITAL BUDGET

150

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 32225
File Number:

Financial Report Page: 34
Appendix Page: A4

Project Description

MacNab Street from York Boulevard
(formerly Merrick Street) to Barton
Street - Sanitary Sewer

Sanitary Sewer - 900 mm Diameter
Approximate Length - 620 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	590,000
Other	
TOTAL	590,000

Subsidy	
Contributions	NIL
TOTAL	NIL

Net Cost	590,000
----------	---------

Amount to be Financed:	
Regional S. Surcharge	590,000
Property Owners	
Other	
TOTAL	590,000

Need for Project

The proposed sewer is required to complete the connection of the existing sanitary sewers on York Boulevard to sanitary trunk sewer on Barton Street for direct conveyance of sewage to the treatment plant.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982	590,000		590,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	590,000		590,000

Effect on Current Budget

Debt Charges	126,600
Annual Costs	1,200
TOTAL	127,800



FIVE YEAR CAPITAL BUDGET

151

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 32226
File Number:

Financial Report Page: 34
Appendix Page: A4

Project Description

Hess Street from Barton Street to
Stuart Street - Sanitary Sewer

Installation of New Sanitary Sewer
Approximate Size - 300 to 375 mm
Diameter
Approximate Length - 215 m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	90,000
Other	
TOTAL	90,000
Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	90,000
Amount to be Financed:	
Regional S. Surcharge	90,000
Property Owners	
Other	
TOTAL	90,000

Need for Project

The existing combined sewer has
failed structurally and it must
be replaced in conjunction with
road reconstruction in 1982.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982	90,000		90,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	90,000		90,000

Effect on Current Budget

Debt Charges	19,300
Annual Costs	400
TOTAL	19,700



FIVE YEAR CAPITAL BUDGET

152

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 30219
File Number:

Financial Report Page: 34
Appendix Page: A9

Project Description

Windemere Basin Improvements
Clean up Windemere Basin

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	5,000,000
Other	
TOTAL	5,000,000
Subsidy	
Contributions	4,700,000
TOTAL	4,700,000
Net Cost	300,000
Amount to be Financed:	
Regional S. Surcharge	300,000
Property Owners	
Other	
TOTAL	300,000

Need for Project

Directed by Council in Item 53 of the 14th Report of E.S.C. adopted by Council on 78 08 15.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	300,000	4,700,000	5,000,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	300,000	4,700,000	5,000,000

Effect on Current Budget

Debt Charges	64,400
Annual Costs	
TOTAL	64,400



FIVE YEAR CAPITAL BUDGET

153

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 32224
File Number:

Financial Report Page: 34
Appendix Page:

Project Description

South Service Road from Glover Road to
Lewis Road

Sanitary Trunk Sewer - Stoney Creek

Sanitary Sewer
Approximate Length - 1600 m

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	2,100,000
Other	

TOTAL	2,100,000
-------	-----------

Subsidy C.O.A.S.P.	350,000
Contributions	

TOTAL	350,000
-------	---------

Net Cost	1,750,000
----------	-----------

Amount to be Financed:	
Regional S. Surcharge	1,490,000
Property Owners	260,000
Other	

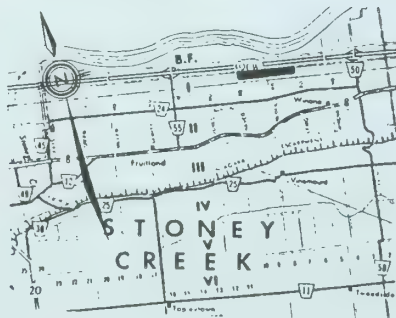
TOTAL	1,750,000
-------	-----------

Need for Project

To provide service to industrial
land and also provide an outlet
for Winona Sewers.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	300,000		300,000
1983	1,190,000	610,000	1,800,000
1984			
1985			
1986			
1987 & After			
TOTAL	1,490,000	610,000	2,100,000

Effect on Current Budget

Debt Charges	319,800
Annual Costs	3,000
TOTAL	322,800



FIVE YEAR CAPITAL BUDGET

154

1982 - 1986

Department/Agency: Engineering

Function: Sewage Works

Project Number: 32227

File Number:

Financial Report Page: 34

Appendix Page: A9

Project Description

Woodward Avenue Sewage Treatment Plant
- Solids Handling - Hamilton

4-Belt Filter Presses, Incinerator/
Dryer, Conveyers, Storage Tank,
Modification to M.H.F. Phosphor Removal

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	13,000,000
Other	
TOTAL	13,000,000

Subsidy M.O.E.	1,000,000
Contributions C.F.	1,591,000
TOTAL	2,591,000

Net Cost	10,409,000
-----------------	-------------------

Amount to be Financed:	
Regional S. Surcharge	10,409,000
Property Owners	
Other	
TOTAL	10,409,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982	5,409,000	2,591,000	8,000,000
1983	5,000,000		5,000,000
1984			
1985			
1986			
1987 & After			
TOTAL	10,409,000	2,591,000	13,000,000

Effect on Current Budget

Debt Charges 2,234,400

Annual Costs

TOTAL 2,234,400



FIVE YEAR CAPITAL BUDGET

155

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 33206
File Number:

Financial Report Page: 35
Appendix Page: A5

Project Description

Gray's Road from King Street to Collegiate Avenue - Sanitary Relief Sewer - Stoney Creek

Sanitary Relief Sewer,
Approximate Size - 250mm Diameter
Approximate Length - 235m

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	170,000
Other	
TOTAL	170,000
Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	170,000
Amount to be Financed:	
Regional S. Surcharge	170,000
Property Owners	
Other	
TOTAL	170,000

Need for Project

The new sanitary sewer is required to relieve the existing 8" diameter sanitary sewer on Gray's Road, which is overloaded.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	170,000		170,000
1984			
1985			
1986			
1987 & After			
TOTAL	170,000		170,000

Effect on Current Budget

Debt Charges	36,500
Annual Costs	400
TOTAL	36,900



FIVE YEAR CAPITAL BUDGET

1982 - 1986

156

Department/Agency: Engineering
Function: Sewage Works

Project Number: 39226A
File Number:

Financial Report Page: 35
Appendix Page: A9

Project Description

Woodward Avenue Sewage Treatment Plant -
Chlorination - Construction
New railway siding and chlorination
building

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	400,000
Other	
TOTAL	400,000
Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	400,000
Amount to be Financed:	
Regional S. Surcharge	400,000
Property Owners	
Other	
TOTAL	400,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983	400,000		400,000
1984			
1985			
1986			
1987 & After			
TOTAL	400,000		400,000

Effect on Current Budget

Debt Charges	85,900
Annual Costs	
TOTAL	85,900



FIVE YEAR CAPITAL BUDGET

157

1982 - 1986

Department/Agency: Engineering

Function: Sewage Works

Project Number: 33204

File Number:

Financial Report Page: 35

Appendix Page: A4

Project Description

Oriole Avenue, Victoria Avenue, Winona Road, Highway #8 and Easement

Sanitary Sewers - Stoney Creek

2,000m Local Sanitary Sewer

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	1,500,000
Other	
TOTAL	1,500,000

Subsidy	
Contributions	NIL
TOTAL	NIL

Net Cost	
Amount to be Financed:	
Regional	1,300,000
Property Owners	200,000
Other	
TOTAL	1,500,000

Need for Project

To eliminate local pollution and abandon Bartlets' Lagoon and Pumping Station.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	200,000		200,000
1984	880,000	200,000	1,080,000
1985	220,000		220,000
1986			
1987 & After			
TOTAL	1,300,000	200,000	1,500,000

Effect on Current Budget

Debt Charges	279,000
Annual Costs	4,000
TOTAL	283,000



FIVE YEAR CAPITAL BUDGET

1982 - 1986

158

Department/Agency: Engineering
Function: Sewage Works

Project Number: 32221
File Number:

Financial Report Page: 35
Appendix Page: A4

Project Description

South Service Road from Lewis Road to Oriole Avenue - Sanitary Sewer - Stoney Creek

Sanitary Sewer
Approximate Length - 600m

Municipality

Stoney Creek

Capital Cost Estimate

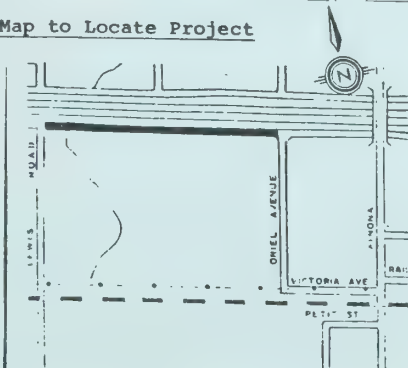
Design	
Land	
Construction	850,000
Other	
TOTAL	850,000
Subsidy M.O.E.	100,000
Contributions	
TOTAL	100,000
Net Cost	750,000
Amount to be Financed:	
Regional S. Surcharge	700,000
Property Owners	50,000
Other	
TOTAL	750,000

Need for Project

To provide service to industrial land and also provide an outlet for Winona Sewers.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983	50,000		50,000
1984	650,000	150,000	800,000
1985			
1986			
1987 & After			
TOTAL	700,000	150,000	850,000

Effect on Current Budget

Debt Charges	150,300
Annual Costs	
TOTAL	150,300



FIVE YEAR CAPITAL BUDGET

1982 - 1986

159

Department/Agency: Engineering
Function: Sewage Works

Project Number: 32222

File Number:

Financial Report Page: 35

Appendix Page: A12

Project Description

Clappison's Corners, Trunk Sanitary
Sewer - Engineering and Land

Trunk Sanitary Sewer to cross
Escarpment

Municipality

Dundas
Flamborough

Capital Cost Estimate

Design	
Land	
Construction	
Other (Engineering & Land)	300,000
TOTAL	300,000

Subsidy	
Contributions	NIL
TOTAL	NIL

Net Cost 300,000

Amount to be Financed:
Regional S. Surcharge 300,000
Property Owners
Other

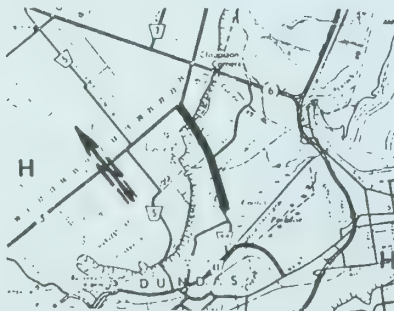
TOTAL 300,000

Need for Project

To provide an outlet for future
servicing of Clappison's Corners
area.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	150,000		150,000
1984	150,000		150,000
1985			
1986			
1987 & After			
TOTAL	300,000		300,000

Effect on Current Budget

Debt Charges	64,400
Annual Costs	N/A
TOTAL	64,400



FIVE YEAR CAPITAL BUDGET 1982 - 1986

160

Department/Agency: Engineering
Function: Sewage Works

Project Number: 33209
File Number:

Financial Report Page: 35
Appendix Page: A9

Project Description

Computer Control - Woodward Avenue
Sewage Treatment Plant - Hamilton

Upgrading and Repairing of the
Existing Control System

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	1,200,000
Other	
TOTAL	1,200,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	1,200,000

Amount to be Financed:	
Regional S. Surcharge	1,200,000
Property Owners	
Other	
TOTAL	1,200,000

Need for Project

To replace obsolete equipment and to
reduce manpower requirements.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	600,000		600,000
1984	600,000		600,000
1985			
1986			
1987 & After			
TOTAL	1,200,000		1,200,000

Effect on Current Budget

Debt Charges	257,600
Annual Costs	
TOTAL	257,600



FIVE YEAR CAPITAL BUDGET

161

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 34202
File Number:

Financial Report Page: 36
Appendix Page: A9

Project Description

King Street S.T.P. Outfall Sewer -

Approximately 1050mm Diameter Outfall
Sewer from Plant to Burlington Bay

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	200,000
Other	
TOTAL	200,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	200,000

Amount to be Financed:	
Regional S. Surcharge	200,000
Property Owners	
Other	
TOTAL	200,000

Need for Project

To eliminate the discharge of effluent from the King Street S.T.P. to Coote's Paradise, as pollution loading exceeds the permitted limit for such discharge to Coote's Paradise.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior to Budget			
1982			
1983	100,000		100,000
1984	100,000		100,000
1985			
1986			
1987 & After			
TOTAL	200,000		200,000

Effect on Current Budget

Debt Charges	21,500
Annual Costs	1,000
TOTAL	27,500



FIVE YEAR CAPITAL BUDGET 1982 - 1986

162

Department/Agency: Engineering
Function: Sewage Works

Project Number: 34218
File Number:

Financial Report Page: 36
Appendix Page: A4

Project Description

East Street Area - Dundas

Reconstruction of Local Sanitary Sewer
Approximate Size - 250 to 380mm Diameter
Approximate Length - 450 Metres

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	230,000
Other	
TOTAL	230,000

Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	230,000

Amount to be Financed:	
Regional S. Surcharge	230,000
Property Owners	
Other	
TOTAL	230,000

Need for Project

To replace overloaded sanitary sewers.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1984

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984	230,000		230,000
1985			
1986			
1987 & After			
TOTAL	230,000		230,000

Effect on Current Budget

Debt Charges	49,400
Annual Costs	1,000
TOTAL	50,400



FIVE YEAR CAPITAL BUDGET

1982 - 1986

163

Department/Agency: Engineering
Function: Sewage Works

Project Number: 34220
File Number:

Financial Report Page: 36
Appendix Page: A4

Project Description

Pumping Station S-W5, Rockcliffe -
Engineering and Land

Sanitary Sewage Pumping Station and
Forcemain

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	30,000
Construction	
Other Engineering	50,000
TOTAL	80,000

Subsidy	
Contributions	NIL
TOTAL	NIL

Net Cost	80,000
----------	--------

Amount to be Financed:	
Regional S. Surcharge	80,000
Property Owners	
Other	
TOTAL	80,000

Need for Project

To service existing Rockcliffe area
and eliminate pollution.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1984

Prior	Region	Other	Total
To Budget		Contrib	
1982			
1983			
1984	30,000		30,000
1985	50,000		50,000
1986			
1987 & After			
TOTAL	80,000		80,000

Effect on Current Budget

Debt Charges	17,200
Annual Costs	N/A
TOTAL	17,200



FIVE YEAR CAPITAL BUDGET

1982 - 1986

164

Department/Agency: Engineering
Function: Sewage Works

Project Number: 30215 A
File Number:

Financial Report Page: 36
Appendix Page: A9

Project Description

Greenhill Avenue - Storage Tank and
Settling Basin - Construction

60 Million Litres Partially Covered
Storage Tank and Settling Basin

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	3,000,000
Other	
TOTAL	3,000,000
Subsidy M.O.E.	400,000
Contributions	
TOTAL	400,000
Net Cost	2,600,000
Amount to be Financed:	
Regional S. Surcharge	2,600,000
Property Owners	
Other	
TOTAL	2,600,000

Need for Project

To reduce pollution in Red Hill Creek
and Burlington Bay by controlling
overflow from a combined trunk sewer.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior			
To Budget			
1982			
1983			
1984			
1985	500,000		500,000
1986	300,000		300,000
1987 & After	1,800,000	400,000	2,200,000
TOTAL	2,600,000	400,000	3,000,000

Effect on Current Budget

Debt Charges	171,800
Annual Costs	10,000
TOTAL	181,800



FIVE YEAR CAPITAL BUDGET

165

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 34203
File Number:

Financial Report Page: 36
Appendix Page: A4

Project Description

Sewage Pumping Station H16 - East Street,
Winona - Forcemain and Gravity Sewer,
Stoney Creek

Local Sanitary Sewage Pumping Station,
Forcemain and Gravity Sewer on Easement
and Winona Road

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	850,000
Other	

TOTAL	850,000
-------	---------

Subsidy	
Contributions	NIL

TOTAL	NIL
-------	-----

Net Cost	850,000
----------	---------

Amount to be Financed:	
Regional S. Surcharge	800,000
Property Owners	50,000
Other	

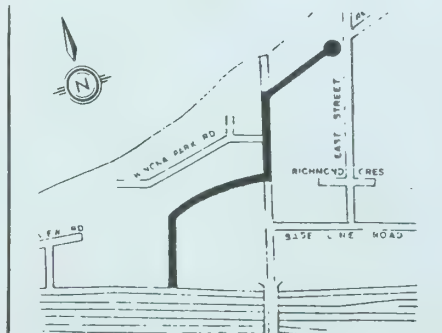
TOTAL	850,000
-------	---------

Need for Project

To provide an outlet for local
sewers.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985	50,000		50,000
1986	750,000	50,000	800,000
1987 & After			
TOTAL	800,000	50,000	850,000

Effect on Current Budget

Debt Charges	171,700
Annual Costs	5,000
TOTAL	176,700



FIVE YEAR CAPITAL BUDGET

166

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 33201
File Number:

Financial Report Page: 36
Appendix Page: A15

Project Description

Iona Sanitary Trunk Sewer - Engineering
Engineering for 900 mm Diameter
Sanitary Trunk Sewer

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	
Other Engineering	100,000
TOTAL	100,000

Subsidy	
Contributions	NIL
TOTAL	NIL

Net Cost	100,000
----------	---------

Amount to be Financed:	
Regional S. Surcharge	100,000
Property Owners	
Other	
TOTAL	100,000

Need for Project

To provide capacity for growth above
the escarpment, west of Scenic Drive.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985	50,000		50,000
1986	50,000		50,000
1987 & After			
TOTAL	100,000		100,000

Effect on Current Budget

Debt Charges	21,500
Annual Costs	
TOTAL	21,500



FIVE YEAR CAPITAL BUDGET

167

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 32222 A
File Number:

Financial Report Page: 37
Appendix Page: A12

Project Description

Clappison's Corners - Trunk Sanitary
Sewer - Construction

Trunk Sanitary Sewer

Municipality

Dundas, Flamborough

Capital Cost Estimate

Design	
Land	
Construction	3,900,000
Other	

TOTAL 3,900,000

Subsidy M.O.E.	500,000
Contributions	

TOTAL 500,000

Net Cost 3,400,000

Amount to be Financed:	
Regional S. Surcharge	3,400,000
Property Owners	
Other	

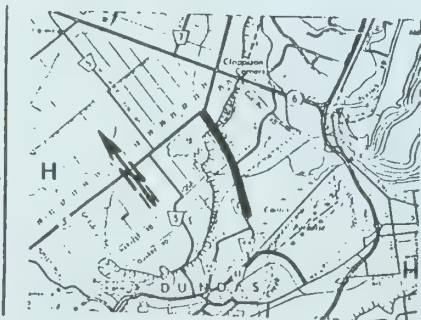
TOTAL 3,400,000

Need for Project

To provide an outlet for future
servicing of Clappison's Corners
area.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	100,000		100,000
1986	3,300,000	500,000	3,800,000
1987 & After			
TOTAL	3,400,000	500,000	3,900,000

Effect on Current Budget

Debt Charges	729,800
Annual Costs	8,000
TOTAL	737,800



FIVE YEAR CAPITAL BUDGET

1982 - 1986

168

Department/Agency: Engineering
Function: Sewage Works

Project Number: 36201
File Number:

Financial Report Page: 37
Appendix Page: A14

Project Description

Shaw Street, Cheever Street and
Connection on Emerald Street -
Sanitary Sewers

Local Sanitary Sewers
Approximate Size - 300 to 375mm Diameter
Approximate Length - 400m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	180,000
Other	
TOTAL	180,000

Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	180,000

Amount to be Financed:	
Regional S. Surcharge	180,000
Property Owners	
Other	
TOTAL	180,000

Need for Project

The new sanitary sewers must be installed as replacement of the existing substandard combined sewers for servicing the industrial area and for eliminating the old 9" diameter sewer on Emerald Street under the C.N.R. tracks which can no longer be maintained properly.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	180,000		180,000
1987 & After			
TOTAL	180,000		180,000

Effect on Current Budget

Debt Charges	38,600
Annual Costs	800
TOTAL	39,400



FIVE YEAR CAPITAL BUDGET

169

1982 - 1986

Department/Agency: Engineering

Function: Sewage Works

Project Number: 36202

File Number:

Financial Report Page: 37

Appendix Page: A14

Project Description

Catharine Street from King Street to
Cannon Street - Sewer Reconstruction

Installation of New Sanitary Sewer
Approximate Size - 600mm Diameter
Approximate Length - 500m

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	230,000
Other	
TOTAL	230,000

Subsidy	
Contributions	NIL
TOTAL	NIL

Net Cost 230,000

Amount to be Financed:	
Regional S. Surcharge	230,000
Property Owners	
Other	
TOTAL	230,000

Need for Project

The existing combined sewer has failed structurally and it must be replaced in conjunction with road reconstruction.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985			
1986	230,000		230,000
1987 & After			
TOTAL	230,000		230,000

Effect on Current Budget

Debt Charges	49,400
Annual Costs	1,000
TOTAL	50,400



FIVE YEAR CAPITAL BUDGET

170

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 33201 A
File Number:

Financial Report Page: 37
Appendix Page: A15

Project Description

Iona Sanitary Trunk Sewer - Construction
Trunk Sanitary Sewer - 900mm Diameter

Municipality
Hamilton

Capital Cost Estimate

Design	
Land	
Construction	2,000,000
Other	
TOTAL	2,000,000

Subsidy M.O.E.	300,000
Contributions	
TOTAL	300,000

Net Cost	1,700,000
-----------------	------------------

Amount to be Financed:	
Regional S. Surcharge	1,700,000
Property Owners	
Other	
TOTAL	1,700,000

Need for Project

To provide capacity for growth above the escarpment, west of Scenic Drive.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	100,000		100,000
1987 & After	1,600,000	300,000	1,900,000
TOTAL	1,700,000	300,000	2,000,000

Effect on Current Budget

Debt Charges	21,500
Annual Costs	2,000
TOTAL	23,500



FIVE YEAR CAPITAL BUDGET

171

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 36205
File Number:

Financial Report Page: 37
Appendix Page: A4

Project Description

Chedoke Creek Pollution Control - Engineering

Pollution Control Works in Chedoke Creek Basin and Outlet in accordance with the Findings of the Study by McMaster University, Currently in Progress.

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	
Other Engineering	200,000
TOTAL	200,000

Subsidy	
Contributions	NIL
TOTAL	NIL

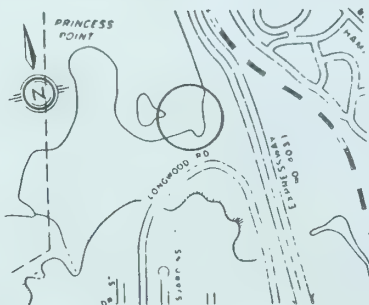
Net Cost	200,000
Amount to be Financed:	
Regional S. Surcharge	200,000
Property Owners	
Other	
TOTAL	200,000

Need for Project

To reduce pollution in Coote's Paradise from the inflowing waters of Chedoke Creek.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	200,000		200,000
1987 & After			
TOTAL	200,000		200,000

Effect on Current Budget

Debt Charges	42,900
Annual Costs	
TOTAL	42,900



FIVE YEAR CAPITAL BUDGET

1982 - 1986

172

Department/Agency: Engineering

Function: Sewage Works

Project Number: 36205

File Number:

Financial Report Page: 37

Appendix Page: A14

Project Description

Pumping Station S-W5, Rockcliffe - Construction

Sanitary Sewage Pumping Station and Forcemain

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	
Construction	500,000
Other	
TOTAL	500,000

Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	500,000

Amount to be Financed:	
Regional S. Surcharge	500,000
Property Owners	
Other	
TOTAL	500,000

Need for Project

To service existing Rockcliffe area and eliminate pollution.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	50,000		50,000
1987 & After	450,000		450,000
TOTAL	500,000		500,000

Effect on Current Budget

Debt Charges	10,700
Annual Costs	N/A
TOTAL	10,700



FIVE YEAR CAPITAL BUDGET

1982 - 1986

174

Department/Agency: Engineering
Function: Sewage Works

Project Number: 11000 H
File Number:

Financial Report Page: 39 & 43
Appendix Page:

Project Description

Rated Sewers and Minor Improvements,
1982

Various Local Sewers

Municipality

Capital Cost Estimate

Design	
Land	
Construction	3,400,000
Other	
TOTAL	3,400,000

Subsidy	
Contributions	NIL
TOTAL	NIL

Net Cost	3,400,000
Amount to be Financed:	
Regional S. Surcharge	1,800,000
Property Owners	1,600,000
Other	
TOTAL	3,400,000

Need for Project

To finance Local Improvement Act
sewers and minor works generally
associated with road construction.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982

	Region	Other Contrib	Total
Expenditures:			
Prior To Budget			
1982	800,000	800,000	1,600,000
1983	1,000,000	800,000	1,800,000
1984			
1985			
1986			
1987 & After			
TOTAL	1,800,000	1,600,000	3,400,000

Effect on Current Budget

Debt Charges	_____
Annual Costs	_____
TOTAL	_____



FIVE YEAR CAPITAL BUDGET

1982 - 1986

175

Department/Agency: Engineering
Function: Sewage Works

Project Number: 11000 I
File Number:

Financial Report Page: 39 & 43
Appendix Page:

Project Description

Rated Sewers and Minor Improvements,
1983
Various Local Sewers

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,600,000
Other	
TOTAL	2,600,000

Subsidy	
Contributions	NIL
TOTAL	NIL

Net Cost	2,600,000
----------	-----------

Amount to be Financed:	
Regional S. Surcharge	1,400,000
Property Owners	1,200,000
Other	
TOTAL	2,600,000

Need for Project

See Item 11000 H.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	400,000	600,000	1,000,000
1984	1,000,000	600,000	1,600,000
1985			
1986			
1987 & After			
TOTAL	1,400,000	1,200,000	2,600,000

Effect on Current Budget

Debt Charges _____

Annual Costs _____

TOTAL _____



FIVE YEAR CAPITAL BUDGET

176

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 11000 J
File Number:

Financial Report Page: 39 & 44
Appendix Page:

Project Description

Rated Sewers and Minor Improvements,
1984

Various Local Sewers

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,700,000
Other	

TOTAL	2,700,000
-------	-----------

Subsidy	
Contributions	NIL

TOTAL	NIL
-------	-----

Net Cost	2,700,000
----------	-----------

Amount to be Financed:	
Regional S. Surcharge	1,400,000
Property Owners	1,300,000
Other	

TOTAL	2,700,000
-------	-----------

Need for Project

See Item 11000 H.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1984

Expenditures:	Region	Other Contrib	Total
---------------	--------	---------------	-------

Prior To Budget			
1982			
1983			
1984	300,000	600,000	1,000,000
1985	1,100,000	700,000	1,700,000
1986			
1987 & After			

TOTAL	1,400,000	1,300,000	2,700,000
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Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

1982 - 1986

177

Department/Agency: Engineering
Function: Sewage Works

Project Number: 11000 K
File Number:

Financial Report Page: 39 & 44
Appendix Page:

Project Description

Rated Sewers and Minor Improvements,
1985

Various Local Sewers

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,700,000
Other	
TOTAL	2,700,000

Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	2,700,000

Amount to be Financed:	
Regional S. Surcharge	1,400,000
Property Owners	1,300,000
Other	
TOTAL	2,700,000

Need for Project

See Item 11000 H.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985	400,000	600,000	1,000,000
1986	1,000,000	700,000	1,700,000
1987 & After			
TOTAL	1,400,000	1,300,000	2,700,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

178

1982 - 1986

Department/Agency: Engineering
Function: Sewage Works

Project Number: 11000 L
File Number:

Financial Report Page: 40 & 44
Appendix Page:

Project Description

Rated Sewers and Minor Improvements,
1986

Various Local Sewers

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,700,000
Other	

TOTAL	2,700,000
-------	-----------

Subsidy	
Contributions	NIL

TOTAL	NIL
-------	-----

Net Cost	2,700,000
----------	-----------

Amount to be Financed:	
Regional S. Surcharge	1,400,000
Property Owners	1,300,000
Other	

TOTAL	2,700,000
-------	-----------

Need for Project

See Item 11000 H.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

Prior	Region	Other	Total
To Budget		Contrib	
1982			
1983			
1984			
1985			
1986	400,000	600,000	1,000,000
1987 & After	1,000,000	700,000	1,700,000
TOTAL	1,400,000	1,300,000	2,700,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

179

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 25705

File Number: 816-05

Financial Report Page: 45

Appendix Page:

Project Description

Pumping Station W-H8A at Reservoir W-H1C
(OHAP - 280) 1976

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	626,000
Other	
TOTAL	626,000
Subsidy O.H.A.P.	470,000
Contributions	
TOTAL	470,000
Net Cost	156,000
Amount to be Financed:	
Regional W.R.	156,000
Property Owners	
Other	
TOTAL	156,000

Need for Project

For further housing development within Stoney Creek below the escarpment.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	156,000	470,000	626,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	156,000	470,000	626,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

180

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 26701

File Number: 816-01

Financial Report Page: 45

Appendix Page:

Project Description

Pumping Station W-H5A - Construction
Pumping Station with Pumps #1 & #2 with
a Firm Capacity of 5.0 M.I.G.D.

Municipality

Hamilton
Stoney Creek

Capital Cost Estimate

Design	200,000
Land	
Construction	2,500,000
Other	
TOTAL	2,700,000

Subsidy	
Contributions CMHC	1,222,000
TOTAL	1,222,000

Net Cost	1,478,000
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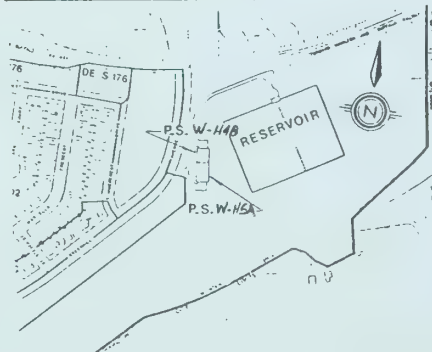
Amount to be Financed:	
Regional W.R.	1,478,000
Property Owners	
Other	
TOTAL	1,478,000

Need for Project

To supply all new development within
Hamilton and Stoney Creek above the
escarpment.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior			
To Budget	1,393,000	1,222,000	2,615,000
1982	85,000		85,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,478,000	1,222,000	2,700,000

Effect on Current Budget

Debt Charges	18,200
Annual Costs	
TOTAL	18,200



FIVE YEAR CAPITAL BUDGET

181

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 26757

File Number: 823-09

Financial Report Page: 45

Appendix Page:

Project Description

Trunk Watermain from Pumping Station W-H5A to Mud Street - Construction - 48" Trunk Watermain

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	2,400,000
Other	

TOTAL 2,400,000

Subsidy M.O.E.	360,000
Contributions CMHC	225,000

TOTAL 585,000

Net Cost 1,815,000

Amount to be Financed:	
Regional W.R.	1,815,000
Property Owners	
Other	

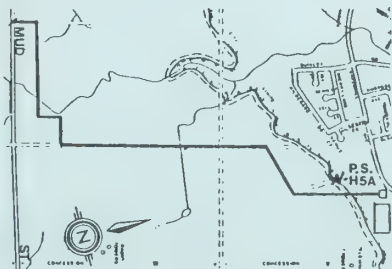
TOTAL 1,815,000

Need for Project

Phase I of trunk watermain required to connect pumping station W-H5A to existing distribution system above the escarpment. Initially will supply development within Saltfleet Community.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	1,815,000	225,000	2,040,000
1982		360,000	360,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,815,000	585,000	2,400,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

182

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 27703

File Number: 818-08

Financial Report Page: 45

Appendix Page: A16

Project Description

Hwy. 53 Trunk Watermain from Upper Paradise Road to Southcote Road - Construction

600 mm Watermain - Hwy. 53 from Upper Paradise Road to Hamilton City Limits

400 mm Watermain - Hwy. 53 from Upper Paradise Road to Southcote Road

400 mm Watermain - Southcote Road from Hwy. 53 to Gray Court Drive

300 mm Watermain - Garth Street from Claudette Gate to Hwy. 53

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	
Construction	1,349,000
Other	

TOTAL	1,349,000
-------	-----------

Subsidy M.O.E. Contributions	180,000
------------------------------	---------

TOTAL	180,000
-------	---------

Net Cost	1,169,000
----------	-----------

Amount to be Financed:	
Regional W.R.	1,169,000
Property Owners	
Other	

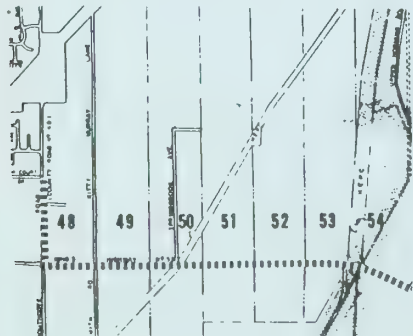
TOTAL	1,169,000
-------	-----------

Need for Project

The existing well field used to supply Ancaster has insufficient capacity to permit new development and, consequently, the supply must be augmented from the Hamilton system.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	967,000		967,000
1982	202,000	180,000	382,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,169,000	180,000	1,349,000

Effect on Current Budget

Debt Charges	243,200
--------------	---------

Annual Costs	
--------------	--

TOTAL	243,200
-------	---------



FIVE YEAR CAPITAL BUDGET

183

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 27729A

File Number: 801-15

Financial Report Page: 45

Appendix Page: A12

Project Description

Ancaster Industrial Park - Trunk Watermain - Construction

400 & 300 mm Watermain - Hwy. #2 from Trinity Road to Hwy. #53

400 mm Watermain - Hwy. #53 from Hwy. #2 to Shaver Road

300 mm Watermain - Shaver Road from Hwy. #53 to Hwy. #2

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	
Construction	690,000
Other	

TOTAL 690,000

Subsidy CSCP	115,000
Contributions	

TOTAL 115,000

Net Cost	575,000
----------	---------

Amount to be Financed:	
Regional W.R.	465,000
Property Owners	110,000
Other	

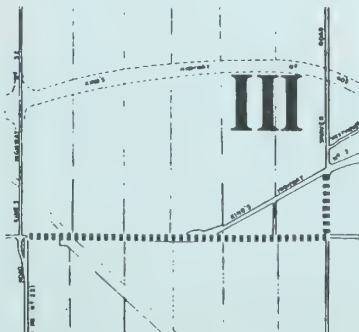
TOTAL 575,000

Need for Project

Trunk feedermain to supply Phase I of proposed industrial park in Duff's Corner area.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	465,000	225,000	690,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	465,000	225,000	690,000

Effect on Current Budget

Debt Charges	99,800
Annual Costs	
TOTAL	99,800



FIVE YEAR CAPITAL BUDGET

184

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 26745
File Number: 823-04

Financial Report Page: 45
Appendix Page:

Project Description

Woodward Avenue - Water Treatment Plant
Expansion to 200 M.I.G.D. & Waste Water
Treatment - Study

Investigation on experiments on filter
media and research on Waste Water
Treatment.

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	90,000
Other	
TOTAL	90,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	90,000

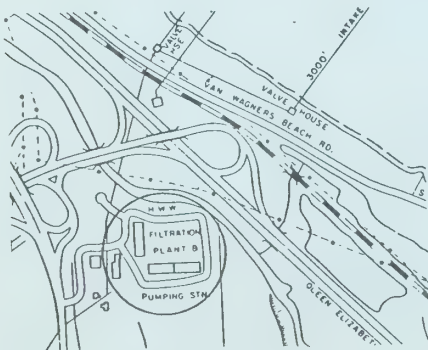
Amount to be Financed:	
Regional W.R.	90,000
Property Owners	
Other	
TOTAL	90,000

Need for Project

To determine if present filter
media will permit flow rates of
10 M.I.G.D. per filter and determine
most economical methods to treat
waste water.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

Prior To Budget	Region	Other Contrib	Total
	80,000		80,000
1982	10,000		10,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	90,000		90,000

Effect on Current Budget

Debt Charges	2,000
Annual Costs	
TOTAL	2,000



FIVE YEAR CAPITAL BUDGET

185

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 27501

File Number: 818-05

Financial Report Page: 46

Appendix Page:

Project Description

Reservoir W-H11 Expansion - Construction
Expansion of Reservoir from 1.0 M.I.G.
to 3.6 M.I.G.

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	1,028,000
Other	

TOTAL	1,028,000
-------	-----------

Subsidy M.O.E.	135,000
Contributions	

TOTAL	893,000
-------	---------

Net Cost

Amount to be Financed:	
Regional W.R.	893,000
Property Owners	
Other	

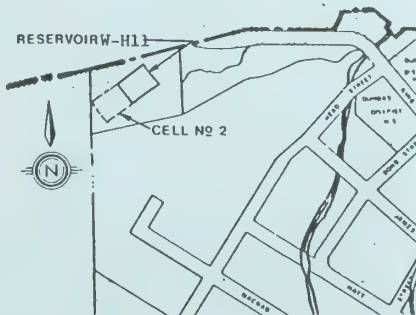
TOTAL	893,000
-------	---------

Need for Project

To provide adequate storage for
District W-H11 which includes the
Central Business District of Dundas.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	589,000		589,000
1982	304,000	135,000	439,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	893,000	135,000	1,028,000

Effect on Current Budget

Debt Charges	65,300
Annual Costs	
TOTAL	65,300



FIVE YEAR CAPITAL BUDGET

186

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 27702

File Number: 823-13

Financial Report Page: 46

Appendix Page:

Project Description

Well W-A0C - Sulphur Springs Road

10" Diameter Well and Pumping Equipment
with 1.0 M.I.G.D. Capacity

Municipality

Ancaster
Dundas

Capital Cost Estimate

Design	
Land	
Construction	255,000
Other	
TOTAL	255,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	255,000
----------	---------

Amount to be Financed:	
Regional W.R.	255,000
Property Owners	
Other	
TOTAL	255,000

Need for Project

To complete the development of
the Sulphur Springs Road site
and supply adequate water to
western Dundas and Ancaster.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	210,000		210,000
1982			
1983			
1984			
1985			
1986	45,000		45,000
1987 & After			
TOTAL	255,000		255,000

Effect on Current Budget

Debt Charges	9,300
Annual Costs	
TOTAL	9,300



FIVE YEAR CAPITAL BUDGET

187

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 27704

File Number: 816-21

Financial Report Page: 46

Appendix Page:

Project Description

P.S. W-H18 - Ancaster - Engineering and Land

Booster Pumping Station to supply Town of Ancaster from Hamilton District W-H6

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	25,000
Construction	
Other Engineering	180,000
TOTAL	205,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost 205,000

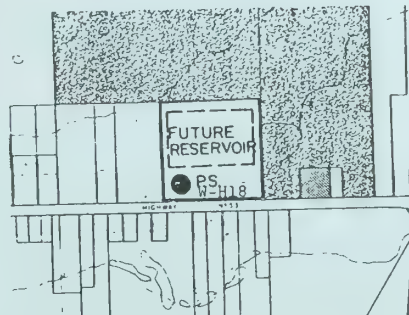
Amount to be Financed:	
Regional W.R.	205,000
Property Owners	
Other	
TOTAL	205,000

Need for Project

The existing well field used to supply Ancaster and Dundas has insufficient capacity to permit new development in Ancaster.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	200,000		200,000
1982	5,000		5,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	205,000		205,000

Effect on Current Budget

Debt Charges	1,000
Annual Costs	
TOTAL	1,000



FIVE YEAR CAPITAL BUDGET

188

1982 - 1986

Department/Agency: Engineering

Project Number: 27705

Financial Report Page: 46

Function: Waterworks

File Number: 802-14

Appendix Page:

Project Description

Barton Street from Gray's Road to DeWitt
- Design and Construction of Trunk
Watermain

42" & 36" Diameter Trunk Watermain

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	1,300,000
Other	
TOTAL	1,300,000

Subsidy	
Contributions CMHC	161,000
TOTAL	161,000

Net Cost 1,139,000

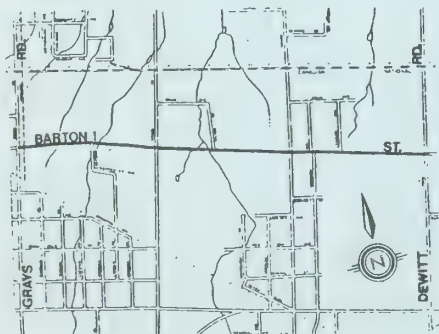
Amount to be Financed:	
Regional W.R.	1,139,000
Property Owners	
Other	
TOTAL	1,139,000

Need for Project

To maintain adequate water supply
to area below escarpment east of
Gray's Road.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	1,101,000	161,000	1,262,000
1982	38,000		38,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,139,000	161,000	1,300,000

Effect on Current Budget

Debt Charges	7,800
Annual Costs	
TOTAL	7,800



FIVE YEAR CAPITAL BUDGET

189

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 27725

File Number: 816-14

Financial Report Page: 46

Appendix Page:

Project Description

Pumping Station W-H11 - Chlorination Facilities

Building and Equipment for Rechlorinating at Pumping Station W-H11 - Osler Drive

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	200,000
Other	
TOTAL	200,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	200,000
----------	---------

Amount to be Financed:	
Regional W.R.	200,000
Property Owners	
Other	
TOTAL	200,000

Need for Project

To maintain chlorine levels in water supplied to Dundas area.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	166,000		166,000
1982	34,000		34,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	200,000		200,000

Effect on Current Budget

Debt Charges	7,000
Annual Costs	
TOTAL	7,000



FIVE YEAR CAPITAL BUDGET

190

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 27817

File Number: 818-13

Financial Report Page: 46

Appendix Page:

Project Description

Reservoir W-AQA and Feedermain - Engineering and Land

3.0 M.I.G. Reservoir and 16" & 24" Connecting Watermain from Glenwood Heights Area to Morden Neighbourhood in Dundas

Municipality

Dundas

Capital Cost Estimate

Design	
Land	67,000
Construction	
Other Engineering	100,000
TOTAL	167,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost 167,000

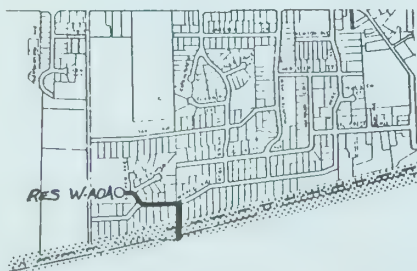
Amount to be Financed:	
Regional W.R.	167,000
Property Owners	
Other	
TOTAL	167,000

Need for Project

Reservoir storage to satisfy requirements of Morden, Sobel and Turnbull neighbourhoods, as well as future supply for Glenwood Heights - Greensville distribution system.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	154,000		154,000
1982	13,000		13,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	167,000		167,000

Effect on Current Budget

Debt Charges	2,700
Annual Costs	
TOTAL	2,700



FIVE YEAR CAPITAL BUDGET

191

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 27704A
File Number: 816-21

Financial Report Page: 47
Appendix Page: A16

Project Description

P.S. W-H18 - Ancaster - Construction
Booster Pumping Station to supply Town
of Ancaster from Hamilton District W-H6

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	
Construction	1,600,000
Other	
TOTAL	1,600,000

Subsidy M.O.E.	
Contributions	200,000
TOTAL	200,000

Net Cost	1,400,000
----------	-----------

Amount to be Financed:	
Regional W.R.	1,400,000
Property Owners	
Other	

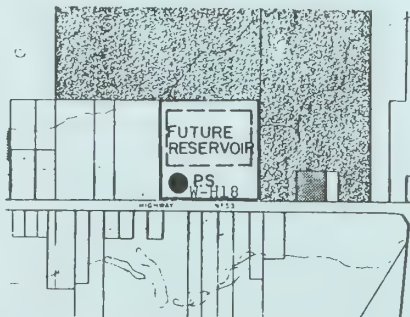
TOTAL	1,400,000
--------------	------------------

Need for Project

The existing well field used to supply Ancaster and Dundas has insufficient capacity to permit new development in Ancaster and Dundas.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	370,000	135,000	505,000
1982	1,030,000	65,000	1,095,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,400,000	200,000	1,600,000

Effect on Current Budget

Debt Charges	221,100
Annual Costs	
TOTAL	221,100



FIVE YEAR CAPITAL BUDGET

192

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 28757

File Number: 823-20

Financial Report Page: 47

Appendix Page:

Project Description

Trunk Watermain from Mud Street to
Upper Ottawa Street - Construction -
1200 mm Diameter Trunk Main

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	2,500,000
Other	

TOTAL	2,500,000
-------	-----------

Subsidy M.O.E.	330,000
Contributions CMHC	250,000

TOTAL	580,000
-------	---------

Net Cost	1,920,000
----------	-----------

Amount to be Financed:	
Regional W.R.	1,920,000
Property Owners	
Other	

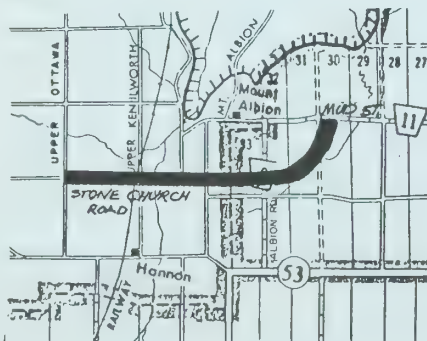
TOTAL	1,920,000
-------	-----------

Need for Project

To provide water to all lands
above the escarpment and west
of Paramount Drive.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	1,530,000	490,000	2,020,000
1982	390,000	90,000	480,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	1,920,000	580,000	2,500,000

Effect on Current Budget

Debt Charges	83,700
Annual Costs	
TOTAL	83,700



FIVE YEAR CAPITAL BUDGET

193

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 29768

File Number: 816-37

Financial Report Page: 47

Appendix Page:

Project Description

Pumping Station W-H0 - Roof Repairs

Repair and Replacement of Roofing on this Existing Pumping Station

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	120,000
Other	
TOTAL	120,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	120,000
----------	---------

Amount to be Financed:	
Regional W.R.	120,000
Property Owners	
Other	

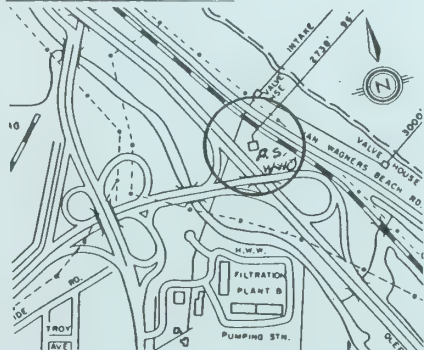
TOTAL	120,000
--------------	----------------

Need for Project

The original roofing on the pumping station has deteriorated and requires extensive repair to prevent damage to pumping equipment due to leakage.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	100,000		100,000
1982	20,000		20,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	120,000		120,000

Effect on Current Budget

Debt Charges	4,100
Annual Costs	
TOTAL	4,100



FIVE YEAR CAPITAL BUDGET

194

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 27727A

File Number: 813-27

Financial Report Page: 47

Appendix Page: A17

Project Description

Morden Neighbourhood Watermain - Construction

400 mm & 600 mm Watermains to connect Supply at Hwy. 99 to Res. W-A0A

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	560,000
Other	

TOTAL	560,000
-------	---------

Subsidy Contributions

TOTAL	NIL
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Net Cost	560,000
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Amount to be Financed:	
Regional W.R.	560,000
Property Owners	
Other	

TOTAL	560,000
-------	---------

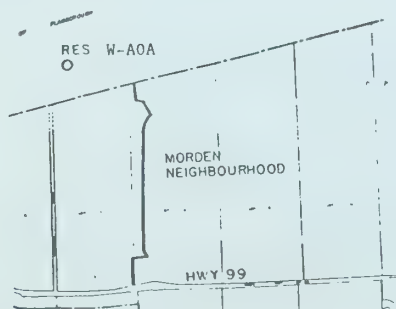
Need for Project

Local distribution watermain through Morden Neighbourhood to connect supply and reservoir.

Cost to be recovered from the developer.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985			
1986	330,000		330,000
1987 & After	230,000		230,000
TOTAL	560,000		560,000

Effect on Current Budget

Debt Charges	120,200
Annual Costs	
TOTAL	120,200



FIVE YEAR CAPITAL BUDGET

195

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 27817A
File Number: 818-13

Financial Report Page: 47
Appendix Page: A10

Project Description

Reservoir W-A0A and Feedermain - Construction

13,640 m³ Reservoir and 400 mm & 600 mm Connecting Watermain from Glenwood Heights Area to Morden Neighbourhood in Dundas

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	2,000,000
Other	

TOTAL 2,000,000

Subsidy M.O.E.	300,000
Contributions	

TOTAL NIL

Net Cost	1,700,000
----------	-----------

Amount to be Financed:	
Regional	1,700,000
Property Owners	
Other	

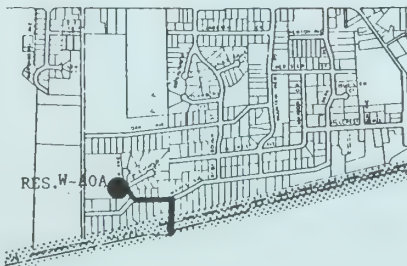
TOTAL 1,700,000

Need for Project

Reservoir storage to satisfy requirements of Morden, Sobel and Turnbull neighbourhoods, as well as future supply for Glenwood Heights - Greensville distribution system.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985			
1986	180,000		180,000
1987 & After	1,520,000	300,000	1,820,000
TOTAL	1,700,000	300,000	2,000,000

Effect on Current Budget

Debt Charges	364,900
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Annual Costs	
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TOTAL	364,900
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FIVE YEAR CAPITAL BUDGET

196

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 20762
File Number:

Financial Report Page: 47
Appendix Page:

Project Description

Montgomery Drive - Old Dundas Road to
Eleanor Road - Watermain Construction

200 mm Watermain

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	36,000
Other	

TOTAL	36,000
-------	--------

Subsidy
Contributions

TOTAL	NIL
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Net Cost

	36,000
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Amount to be Financed:

Regional W.R.	36,000
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Property Owners

Other

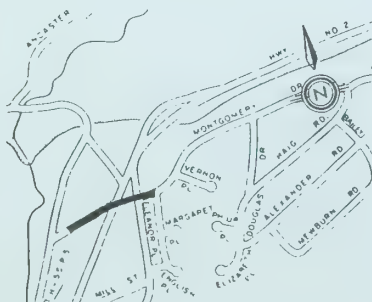
TOTAL	36,000
-------	--------

Need for Project

Existing development in Ancaster Heights is serviced via a single 150 mm watermain. This watermain will increase the reliability of supply to this district and reduce the possibility of disruption of service due to watermain rupture.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

Prior To Budget	Region	Other Contrib	Total
	23,000		23,000
1982	13,000		13,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	36,000		36,000

Effect on Current Budget

Debt Charges	2,800
Annual Costs	
TOTAL	2,800



FIVE YEAR CAPITAL BUDGET

197

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 28754A

File Number: 818-35

Financial Report Page: 48

Appendix Page:

Project Description

Stone Church Road Trunk Watermain -
Upper James Street to 213 m East of
Upper Wellington Street - Construction

750 mm Watermain on Stone Church Road
from Upper James Street to Upper
Wellington Street

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	430,000
Other	

TOTAL 430,000

Subsidy M.O.E.	100,000
Contributions	

TOTAL 100,000

Net Cost	330,000
----------	---------

Amount to be Financed:	
Regional W.R.	330,000
Property Owners	
Other	

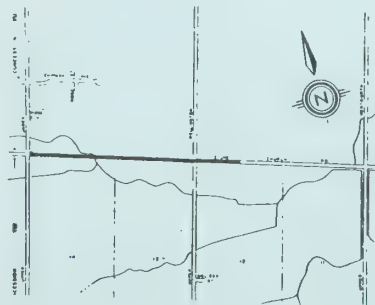
TOTAL 330,000

Need for Project

Residential development in east
mountain area will overload the
existing watermain on Stone Church
Road and Rymal Road by 1980.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	283,000		283,000
1983	47,000	100,000	147,000
1984			
1985			
1986			
1987 & After			
TOTAL	330,000	100,000	430,000

Effect on Current Budget

Debt Charges	10,100
--------------	--------

Annual Costs	
--------------	--

TOTAL 10,100



FIVE YEAR CAPITAL BUDGET

198

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 26716

File Number:

Financial Report Page: 48

Appendix Page:

Project Description

Eastern Water Treatment Plant - Land Acquisition

Land for Future Water Treatment Plant

Municipality

Stoney Creek

Capital Cost Estimate

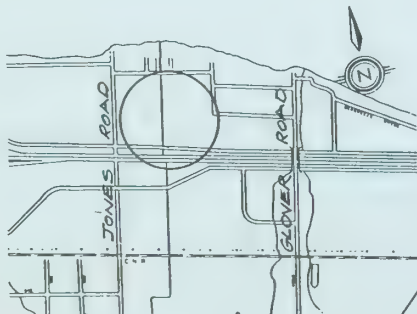
Design	
Land	
Construction	400,000
Other	
TOTAL	400,000
Subsidy	
Contributions	
TOTAL	NIL
Net Cost	400,000
Amount to be Financed:	
Regional W.R.	400,000
Property Owners	
Other	
TOTAL	400,000

Need for Project

To assure that the Region has vacant land to construct a water treatment plant early in the 21st century.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	400,000		400,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	400,000		400,000

Effect on Current Budget

Debt Charges	85,700
Annual Costs	N/A
TOTAL	85,700



FIVE YEAR CAPITAL BUDGET

200

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 20732

File Number: 813-21

Financial Report Page: 48

Appendix Page:

Project Description

Interconnection across Stoney Creek/
Hamilton Boundary

Neil Avenue at City Limits
Orlando Road at Alpine Avenue
Calvert Avenue at Alpine Avenue
Meadowvale Avenue at City Limits
Lawrence Avenue at City Limits
Riverdale Drive at Hwy. #8

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	50,000
Other	

TOTAL	50,000
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Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost

50,000

Amount to be Financed:

Regional W.R.	50,000
---------------	--------

Property Owners

Other

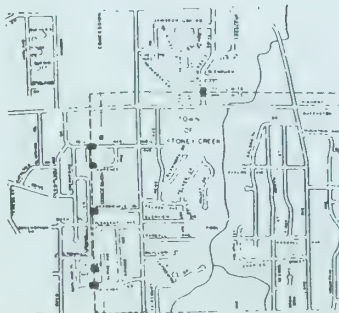
TOTAL	50,000
-------	--------

Need for Project

To eliminate dead-end watermain
and utilize the existing network
to its full extent.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	17,000		17,000
1982	33,000		33,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	50,000		50,000

Effect on Current Budget

Debt Charges	7,100
--------------	-------

Annual Costs

TOTAL	7,100
-------	-------



FIVE YEAR CAPITAL BUDGET

201

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 20752

File Number: 816-27

Financial Report Page: 48

Appendix Page:

Project Description

P.S. W-H11 - Installation of Pump #3 and Replacement of Pump #2

Two Pumps rated at 82.5 L/Sec. @ 20 m T.D.H.

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	56,000
Other	
TOTAL	56,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	56,000

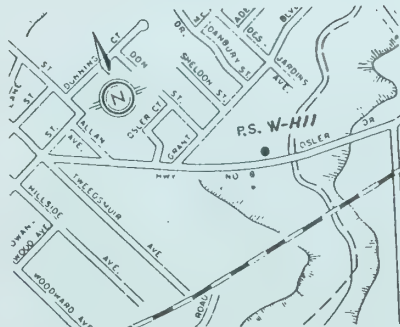
Amount to be Financed:	
Regional W.R.	56,000
Property Owners	
Other	
TOTAL	56,000

Need for Project

The maximum day consumption for the Town of Dundas exceeds the firm pumping capacity of this station. Presently, there are two pumps rated at 82.5 L/Sec. and 52.5 L/Sec., respectively, with space for a third pump. A study undertaken in 1975 recommended the replacement of the 52.5 L/Sec. pump with an 82.5 L/Sec. pump and installation of a third pump rated at 82.5 L/Sec.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

	Region	Other Contrib	Total
Prior To Budget			
1982	56,000		56,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	56,000		56,000

Effect on Current Budget

Debt Charges	12,000
Annual Costs	
TOTAL	12,000



FIVE YEAR CAPITAL BUDGET

1982 - 1986

202

Department/Agency: Engineering

Function: Waterworks

Project Number: 20763

File Number: 802-31

Financial Report Page: 48

Appendix Page:

Project Description

Burton Street from Victoria Avenue to Wentworth Street

300 mm Watermain on Burton Street from Victoria Avenue to Wentworth Street

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	135,000
Other	

TOTAL	135,000
-------	---------

Subsidy
Contributions

TOTAL	NIL
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Net Cost

135,000

Amount to be Financed:

Regional W.R.	135,000
Property Owners	
Other	

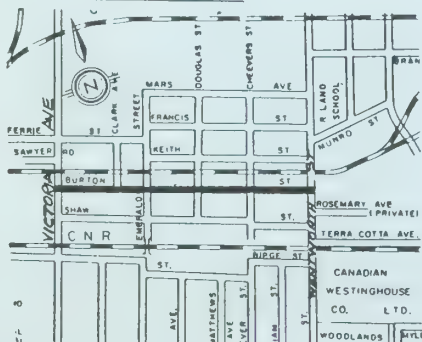
TOTAL	135,000
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Need for Project

The proposed watermain will increase the delivery of water to the Wentworth Street industrial area and, thereby, correct the fire protection deficiency that now exists. The installation will be undertaken in conjunction with proposed sewer and road reconstruction.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	96,000		96,000
1982	39,000		39,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	135,000		135,000

Effect on Current Budget

Debt Charges	8,400
--------------	-------

Annual Costs	
--------------	--

TOTAL	8,400
-------	-------



FIVE YEAR CAPITAL BUDGET

203

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 20753

File Number: 816-05

Financial Report Page: 49

Appendix Page:

Project Description

Pumping Station W-H8A - Generator Set

Generator Set to supply Standby Power to drive two Pumps rated at 130 L/Sec. and 40 m T.D.H.

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	70,000
Other	
TOTAL	70,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	70,000

Amount to be Financed:	
Regional W.R.	70,000
Property Owners	
Other	
TOTAL	70,000

Need for Project

Standby power is required to ensure continuous pumpage into District H8 during power failure.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

	Region	Other Contrib	Total
Expenditures:			
Prior To Budget			
1982	70,000		70,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	70,000		70,000

Effect on Current Budget

Debt Charges	15,000
Annual Costs	
TOTAL	15,000



FIVE YEAR CAPITAL BUDGET

204

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 20750

File Number: 832-33

Financial Report Page: 49

Appendix Page:

Project Description

Waterdown Trunk Watermain - Engineering and Land

600 mm on York Road and Valley Road from Hopkins Court to Algonquin Avenue

400 mm on Algonquin Avenue and Hwy. 5 from South End of Algonquin Avenue to approximately 460 m West of Hwy. 6

Municipality

Dundas
Flamborough

Capital Cost Estimate

Design	
Land	20,000
Construction	
Other Engineering	90,000
TOTAL	110,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	110,000

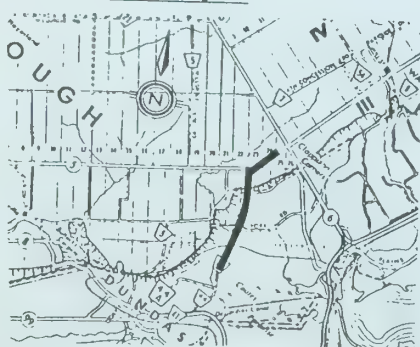
Amount to be Financed:	
Regional W.R.	110,000
Property Owners	
Other	
TOTAL	110,000

Need for Project

To supply water to Flamborough to allow new residential and industrial development, as well as upgrading the supply to existing development to meet present day standards.

Additional Information

Map to Locate Project



Cash Flow

	O.M.B. Required	Received	
Expenditures:			
Prior To Budget	Region	Other Contrib	Total
	53,000		53,000
1982	7,000		7,000
1983	50,000		50,000
1984			
1985			
1986			
1987 & After			
TOTAL	110,000		110,000

Effect on Current Budget

Debt Charges	12,200
Annual Costs	
TOTAL	12,200



FIVE YEAR CAPITAL BUDGET

205

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 20751

File Number: 816-26

Financial Report Page: 49

Appendix Page:

Project Description

P.S. W-H16 - Engineering and Land

Pumping Station to be ultimately equipped with four Pumps rated at 105 L/Xec. and 140 m T.D.H.

Initial Pump Installation will consist of two Pumps at 53 L/Sec. and 150 m T.D.H.

Municipality

Dundas

Capital Cost Estimate

Design	
Land	10,000
Construction	
Other Engineering	60,000
TOTAL	70,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	70,000

Amount to be Financed:	
Regional W.R.	70,000
Property Owners	
Other	
TOTAL	70,000

Need for Project

To supply water to Flamborough to allow new residential and industrial development, as well as upgrading the supply to existing development to meet present day standards.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

	Region	Other Contrib	Total
Prior To Budget	22,000		22,000
1982	28,000		28,000
1983	20,000		20,000
1984			
1985			
1986			
1987 & After			
TOTAL	70,000		70,000

Effect on Current Budget

Debt Charges	10,300
Annual Costs	
TOTAL	10,300

FIVE YEAR CAPITAL BUDGET

206

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 21751

File Number:

Financial Report Page: 49

Appendix Page:

Project Description

District W-H4 Trunk Watermain - Pumping Station W-H4 to Gray's Road

400 mm Watermain along T.H. & B. Right-of-Way from Greenhill Avenue to Gray's Road

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	600,000
Other	
TOTAL	600,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	600,000

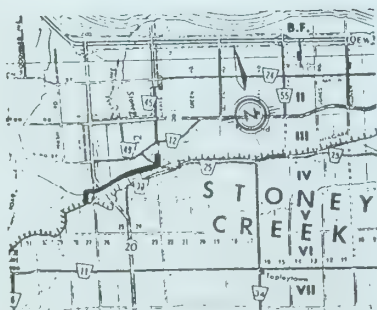
Amount to be Financed:	
Regional W.R.	600,000
Property Owners	
Other	
TOTAL	600,000

Need for Project

The existing distribution network between King Street and the escarpment cannot supply adequate pressure for all operating conditions.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

Prior To Budget	Region	Other Contrib	Total
	491,000		491,000
1982	109,000		109,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	600,000		600,000

Effect on Current Budget

Debt Charges	23,400
Annual Costs	
TOTAL	23,400



FIVE YEAR CAPITAL BUDGET

207

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 29720-A

File Number: 823-12

Financial Report Page: 49

Appendix Page:

Project Description

Woodward Avenue Treatment Plant -
Waste Water Treatment - Construction

Installation of Facilities to treat
Backwash Water

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	1,250,000
Other	

TOTAL 1,250,000

Subsidy M.O.E.	
Contributions	200,000

TOTAL 200,000

Net Cost 1,050,000

Amount to be Financed:	
Regional W.R.	1,050,000
Property Owners	
Other	

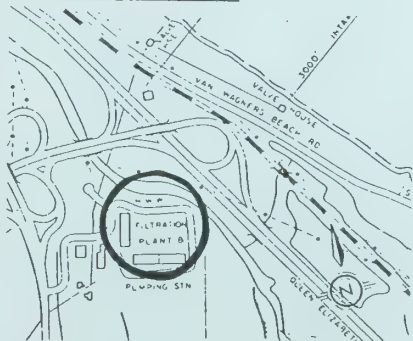
TOTAL 1,050,000

Need for Project

To reduce the discharge of solids
from the backwash water now
discharged to the Red Hill Creek.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received
Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	500,000		500,000
1983	550,000	200,000	50,000
1984			
1985			
1986			
1987 & After			
TOTAL	1,050,000	200,000	1,250,000

Effect on Current Budget

Debt Charges	225,400
Annual Costs	
TOTAL	225,400



FIVE YEAR CAPITAL BUDGET

208

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 21784

File Number:

Financial Report Page: 49

Appendix Page:

Project Description

Cameron Avenue and McKay Road -
Watermain Installation

300 mm Watermain on Cameron Avenue from
York Road to McKay Road and on McKay
Road from Cameron Avenue to York Road

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	166,000
Other	
TOTAL	166,000

Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	166,000

Amount to be Financed:	
Regional W.R.	166,000
Property Owners	
Other	
TOTAL	166,000

Need for Project

The proposed installation will reinforce the distribution network in eastern Dundas and provide additional capacity to supply the proposed pumping station W-H16 which will service Flamborough.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	166,000		166,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	166,000		166,000

Effect on Current Budget

Debt Charges	35,600
Annual Costs	1,400
TOTAL	37,000



FIVE YEAR CAPITAL BUDGET

209

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 21728

File Number: 804-05

Financial Report Page: 50

Appendix Page:

Project Description

DeWitt Road from Hwy. #8 to Barton
Street Trunk Watermain - Engineering

600 mm Diameter Trunk Watermain

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	50,000
TOTAL	50,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	50,000

Amount to be Financed:	
Regional W.R.	50,000
Property Owners	
Other	
TOTAL	50,000

Need for Project

To supply water to reservoir W-H1C
on DeWitt Road.

Additional Information

Map to Locate Project



Cash Flow

	O.M.B. Required	Received	
	Expenditures:		
Prior To Budget	Region	Other Contrib	Total
1982	50,000		50,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	50,000		50,000

Effect on Current Budget

Debt Charges	10,700
Annual Costs	N/A
TOTAL	10,700



FIVE YEAR CAPITAL BUDGET

210

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 21785
File Number:

Financial Report Page: 50
Appendix Page:

Project Description

King Street (Dundas) - Watermain Installation

400 mm Watermain on King Street from East Street to Olympic Drive

300 mm Watermain on Olympic Drive from King Street to approximately 165 m Northerly

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	245,000
Other	
TOTAL	245,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	245,000
Amount to be Financed:	
Regional W.R.	245,000
Property Owners	
Other	
TOTAL	245,000

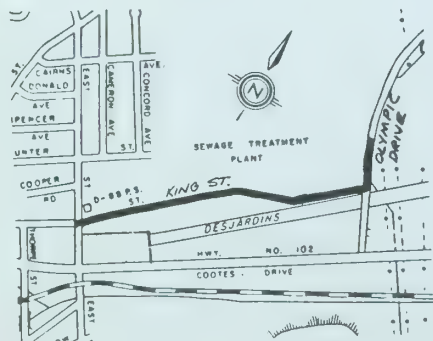
Need for Project

This installation will reinforce the District H11 network in conjunction with the Flamborough water supply project.

Additional Information

The proposed installation will also become the discharge main for the future pumping station W-H11A which will be constructed at the northwest corner of Olympic Drive and King Street.

Map to Locate Project



Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	245,000		245,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	245,000		245,000

Effect on Current Budget

Debt Charges	52,600
Annual Costs	1,500
TOTAL	54,100



FIVE YEAR CAPITAL BUDGET

211

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 29763A

File Number: 808-13

Financial Report Page: 50

Appendix Page: A12

Project Description

Hwy. #53 - Shaver's Road to Hamilton Drive and Hamilton Drive from Hwy. #53 to Hwy. #2 - Construction

400 mm Watermains

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	
Construction	634,000
Other	

TOTAL	634,000
-------	---------

Subsidy Contributions

TOTAL	NIL
-------	-----

Net Cost

634,000

Amount to be Financed:

Regional W.R.	534,000
---------------	---------

Property Owners	100,000
-----------------	---------

Other

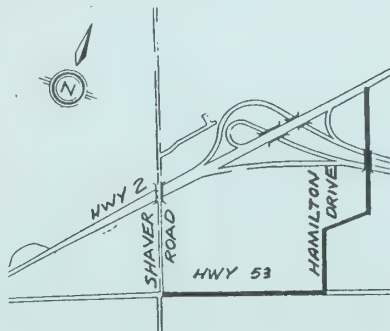
TOTAL	634,000
-------	---------

Need for Project

To supply water to abutting lands and industrial development at Duff's Corner.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	234,000		234,000
1983	300,000	100,000	400,000
1984			
1985			
1986			
1987 & After			
TOTAL	534,000	100,000	634,000

Effect on Current Budget

Debt Charges	114,600
Annual Costs	2,100
TOTAL	116,700



FIVE YEAR CAPITAL BUDGET

212

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 20727 A

File Number: 816-15

Financial Report Page: 50

Appendix Page:

Project Description

Pumping Station W-F1 (Reconstruction) - Construction

Pumping Station with two Pumps @ 225 L/Sec. and one Pump @ 40 L/Sec., plus Standby Power

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	
Construction	400,000
Other	
TOTAL	400,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	400,000

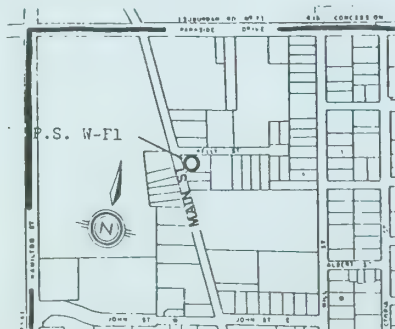
Amount to be Financed:	
Regional W.R.	400,000
Property Owners	
Other	
TOTAL	400,000

Need for Project

The existing pumping station does not meet present day standards, both in capacity and reliability.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	23,000		23,000
1982	177,000		177,000
1983	200,000		200,000
1984			
1985			
1986			
1987 & After			
TOTAL	400,000		400,000

Effect on Current Budget

Debt Charges	80,900
Annual Costs	5,000
TOTAL	85,900



FIVE YEAR CAPITAL BUDGET

213

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 20750A
File Number: 823-33

Financial Report Page: 50
Appendix Page: A13

Project Description

Waterdown Trunk Watermain - Construction
600 mm on York Road and Valley Road

Municipality

Capital Cost Estimate

Design	
Land	
Construction	1,710,000
Other	
TOTAL	1,710,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	1,710,000

Amount to be Financed:	
Regional W.R.	1,610,000
Property Owners	100,000
Other	
TOTAL	1,610,000

Need for Project

To supply water to Flamborough to allow new residential and industrial development, as well as upgrading the supply to existing development to meet present day standards.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	200,000		200,000
1983	1,410,000	100,000	1,510,000
1984			
1985			
1986			
1987 & After			
TOTAL	1,610,000	100,000	1,710,000

Effect on Current Budget

Debt Charges	345,600
Annual Costs	7,000
TOTAL	352,600



FIVE YEAR CAPITAL BUDGET

214

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 20751A

File Number: 816-26

Financial Report Page: 50

Appendix Page:

Project Description

P.S. W-H16 - Construction

Pumping Station to be ultimately equipped with four Pumps rated at 105 L/Sec. and 140 m T.D.H.

Initial Pump Installation will consist of two Pumps at 53 L/Sec. and 150 m T.D.H.

Municipality

Dundas

Capital Cost Estimate

Design	
Land	
Construction	860,000
Other	

TOTAL	860,000
-------	---------

Subsidy M.O.E.	100,000
Contributions	

TOTAL	100,000
-------	---------

Net Cost	760,000
----------	---------

Amount to be Financed:	
Regional W.R.	760,000
Property Owners	
Other	

TOTAL	760,000
-------	---------

Need for Project

To supply water to Flamborough to allow new residential and industrial development, as well as upgrading the supply to existing development to meet present day standards.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	330,000		330,000
1983	430,000	100,000	530,000
1984			
1985			
1986			
1987 & After			
TOTAL	760,000	100,000	860,000

Effect on Current Budget

Debt Charges	163,100
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Annual Costs	10,000
--------------	--------

TOTAL	173,100
-------	---------



FIVE YEAR CAPITAL BUDGET

215

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 21783
File Number: 818-18

Financial Report Page: 51
Appendix Page:

Project Description

Reservoir W-H18S - Ancaster - Engineering
34000 M³ Ground Storage Reservoir to be located at Site of P.S. W-H18

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	130,000
TOTAL	130,000

Subsidy
Contributions

TOTAL	NIL
	130,000

Net Cost

Amount to be Financed:	
Regional W.R.	130,000
Property Owners	
Other	

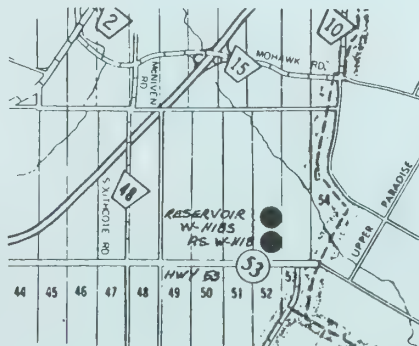
TOTAL	130,000
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Need for Project

The existing elevated tanks located in Ancaster provide insufficient storage for the system requirements. Consequently, additional storage is required to permit new residential and industrial growth.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	6,000		6,000
1982	94,000		94,000
1983	30,000		30,000
1984			
1985			
1986			
1987 & After			
TOTAL	130,000		130,000

Effect on Current Budget

Debt Charges	20,200
Annual Costs	N/A
TOTAL	20,200



FIVE YEAR CAPITAL BUDGET

216

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 22743
File Number:

Financial Report Page: 51
Appendix Page: All

Project Description

Barton Street Watermain - DeWitt Road
to Jones Road - Engineering
750 mm Trunk Watermain

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	80,000
Other	
TOTAL	80,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	80,000
----------	--------

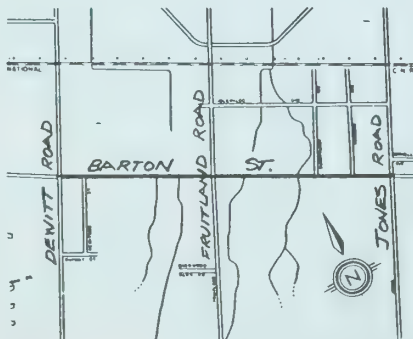
Amount to be Financed:	
Regional W.R.	80,000
Property Owners	
Other	
TOTAL	80,000

Need for Project

The proposed watermain will be required to supply new industrial development east of Jones Road, and provide for 1983 contemplated road reconstruction.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982
Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	80,000		80,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	80,000		80,000

Effect on Current Budget

Debt Charges	17,200
Annual Costs	N/A
TOTAL	17,200



FIVE YEAR CAPITAL BUDGET

217

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 22746

File Number:

Financial Report Page: 51

Appendix Page:

Project Description

Woodward Avenue Water Treatment Plant - Storage Building

Modification to Existing Chemical Building to provide Storage

Municipality

Capital Cost Estimate

Design	
Land	
Construction	82,000
Other	
TOTAL	82,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost 82,000

Amount to be Financed:

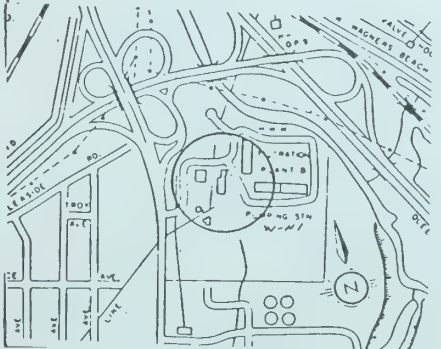
Regional W.R.	82,000
Property Owners	
Other	
TOTAL	82,000

Need for Project

To provide storage space and utilize an existing building.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	82,000		82,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	82,000		82,000

Effect on Current Budget

Debt Charges	17,600
Annual Costs	N/A
TOTAL	17,600



FIVE YEAR CAPITAL BUDGET

218

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 22747
File Number:

Financial Report Page: 51
Appendix Page: A10

Project Description

Woodward Avenue Water Treatment Plant
Chlorination - Engineering and Land

New Railway Siding and Chlorination
Building

Municipality

Capital Cost Estimate

Design	
Land	40,000
Construction	
Other - Engineering	30,000
TOTAL	70,000

Subsidy	
Contributions	
TOTAL	70,000

Net Cost	70,000
----------	--------

Amount to be Financed:	
Regional W.R.	70,000
Property Owners	
Other	
TOTAL	70,000

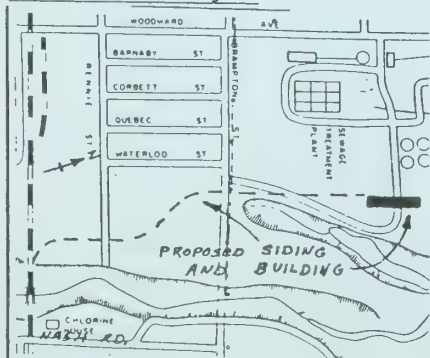
Need for Project

Cost savings from bulk purchasing
and less labour intensive system.

Note: 50% in sewage works

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	70,000		70,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	70,000		70,000

Effect on Current Budget

Debt Charges	15,000
Annual Costs	
TOTAL	15,000



FIVE YEAR CAPITAL BUDGET

219

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 22748
File Number:

Financial Report Page: 51
Appendix Page: A15

Project Description

Normanhurst Avenue from Melvin Avenue
to Barton Street

150 mm Watermain

Municipality

Capital Cost Estimate

Design	
Land	
Construction	72,000
Other	

TOTAL	72,000
-------	--------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost	72,000
----------	--------

Amount to be Financed:	
Regional W.R.	72,000
Property Owners	
Other	

TOTAL	72,000
-------	--------

Need for Project

Existing main has a high failure rate.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	72,000		72,000
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	72,000		72,000

Effect on Current Budget

Debt Charges	15,500
Annual Costs	
TOTAL	15,500



FIVE YEAR CAPITAL BUDGET

220

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 22745
File Number:

Financial Report Page: 51
Appendix Page: A7

Project Description

Chlorination Pumping Station W-H5 -
Kenilworth Access

Construction of Building Installation
of Chlorination Facilities at Pumping
Station W-H5

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	500,000
Other	
TOTAL	500,000

Subsidy	
Contributions	NIL
TOTAL	NIL
Net Cost	500,000

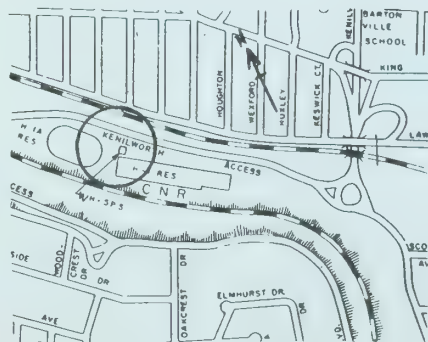
Amount to be Financed:	
Regional W.R.T.	500,000
Property Owners	
Other	
TOTAL	500,000

Need for Project

To assume disinfection of water
supply above the escarpment.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	200,000		200,000
1983	300,000		300,000
1984			
1985			
1986			
1987 & After			
TOTAL	500,000		500,000

Effect on Current Budget

Debt Charges	107,300
Annual Costs	
TOTAL	107,300



FIVE YEAR CAPITAL BUDGET

221

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 29755A

File Number: 816-24

Financial Report Page: 52

Appendix Page: A7

Project Description

P.S. W-H5A: Installation of Pump #3 -
Construction - Pump 875 L/Sec.

Municipality

Capital Cost Estimate

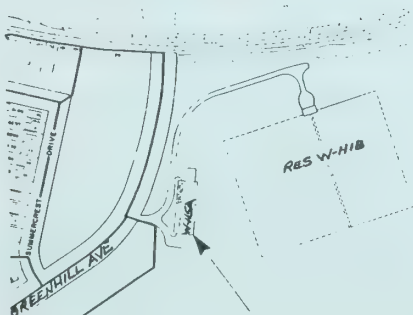
Design	
Land	
Construction	430,000
Other	
TOTAL	430,000
Subsidy M.O.E.	60,000
Contributions	
TOTAL	60,000
Net Cost	370,000
Amount to be Financed:	
Regional W.R.	370,000
Property Owners	
Other	
TOTAL	370,000

Need for Project

The installation of this pump will coincide with the completion of the trunk watermain above the escarpment, thereby providing sufficient firm pumping capacity for District W-H5. Presently, the maximum day demand for this District exceeds the firm pumping capacity.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	200,000		200,000
1983	170,000	60,000	230,000
1984			
1985			
1986			
1987 & After			
TOTAL	370,000	60,000	430,000

Effect on Current Budget

Debt Charges	79,400
Annual Costs	5,000
TOTAL	84,400



FIVE YEAR CAPITAL BUDGET

222

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 21783A

File Number: 818-14

Financial Report Page: 52

Appendix Page: A10

Project Description

Reservoir W-H18S - Ancaster - Construction

34000 M³ Ground Storage Reservoir, to be located at Pumping Station W-H18 Site on Hwy. 53, will provide storage for Pressure District W-H18.

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	
Construction	1,950,000
Other	

TOTAL 1,950,000

Subsidy M.O.E.	200,000
----------------	---------

Contributions	
---------------	--

TOTAL 200,000

Net Cost	1,750,000
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Amount to be Financed:	
Regional W.R.	1,750,000

Property Owners	
Other	

TOTAL 1,750,000

Need for Project

The existing elevated tanks in Ancaster provide insufficient storage for the system requirements. Consequently, additional storage is required to permit new residential growth.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	1,100,000		1,100,000
1983	650,000	200,000	650,000
1984			
1985			
1986			
1987 & After			
TOTAL	1,750,000	200,000	1,950,000

Effect on Current Budget

Debt Charges	375,700
Annual Costs	5,000
TOTAL	380,700



FIVE YEAR CAPITAL BUDGET

223

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 22741

File Number:

Financial Report Page: 52

Appendix Page:

Project Description

Pumping Station W-H18 - Installation of Pump Nos. 3 & 4

1 Pump @ 260 L/Sec. with 60 m T.D.H.

1 Pump @ 130 L/Sec. with 60 m T.D.H.

Municipality

Ancaster

Capital Cost Estimate

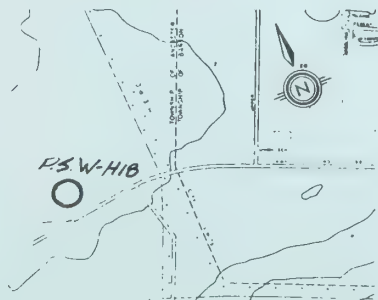
Design	
Land	
Construction	370,000
Other	
TOTAL	370,000
Subsidy	
Contributions	50,000
TOTAL	50,000
Net Cost	320,000
Amount to be Financed:	
Regional W.R.	320,000
Property Owners	
Other	
TOTAL	320,000

Need for Project

To complete the development of this pumping station which will be capable of meeting the water requirements until 2000.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1982

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	200,000		200,000
1983	120,000	50,000	120,000
1984			
1985			
1986			
1987 & After			
TOTAL	320,000	50,000	320,000

Effect on Current Budget

Debt Charges	68,700
Annual Costs	8,000
TOTAL	76,700



FIVE YEAR CAPITAL BUDGET

224

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 21780

File Number: 808-14

Financial Report Page: 52

Appendix Page: A12

Project Description

Hwy. #53 - 107 m West of Southcote Road to Fiddler's Green Road and on Fiddler's Green Road from Hwy. #53 to Cumming Court - Engineering

400 mm Watermain

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	50,000
TOTAL	50,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	50,000
Amount to be Financed:	
Regional W.R.	50,000
Property Owners	
Other	
TOTAL	50,000

Need for Project

Phase II of improvements to Ancaster distribution system to supply water from Hamilton network.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983	50,000		50,000
1984			
1985			
1986			
1987 & After			
TOTAL	50,000		50,000

Effect on Current Budget

Debt Charges	10,700
Annual Costs	N/A
TOTAL	10,700



FIVE YEAR CAPITAL BUDGET

225

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 22747A

File Number:

Financial Report Page: 52

Appendix Page: A10

Project Description

Woodward Avenue Water Treatment Plant
Chlorination - Construction

New Railway Siding and Chlorination
Building

Municipality

Capital Cost Estimate

Design	
Land	
Construction	400,000
Other	
TOTAL	400,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	400,000

Amount to be Financed:	
Regional W.R.	400,000
Property Owners	
Other	
TOTAL	400,000

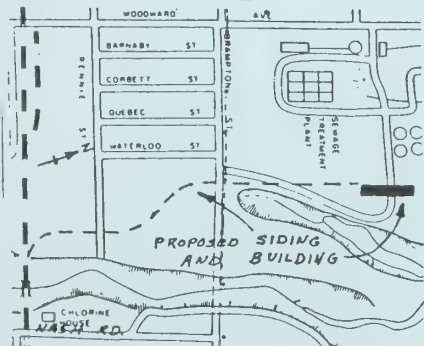
Need for Project

Cost savings from bulk purchasing
and less labour intensive system.

Note: 50% in sewage works

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Prior To Budget	Region	Other Contrib	Total
1982			
1983	400,000		400,000
1984			
1985			
1986			
1987 & After			
TOTAL	400,000		400,000

Effect on Current Budget

Debt Charges	85,800
Annual Costs	
TOTAL	85,800



FIVE YEAR CAPITAL BUDGET

226

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 2 737

File Number:

Financial Report Page: 52

Appendix Page: A14

Project Description

Falcon Road from Creanova Boulevard to
Approximately 280 m Easterly -
Stoney Creek

200 mm Watermain

Municipality

Capital Cost Estimate

Design	
Land	10,000
Construction	70,000
Other	10,000
TOTAL	90,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost 90,000

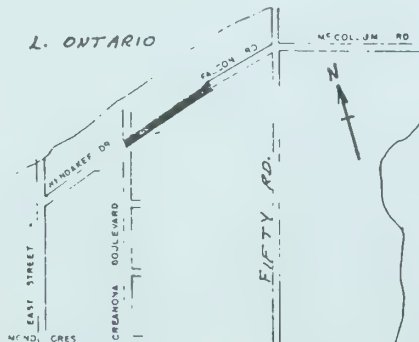
Amount to be Financed:	
Regional W.R.	90,000
Property Owners	
Other	
TOTAL	90,000

Need for Project

Reinforce network and increase
security of supply.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	90,000		90,000
1984			
1985			
1986			
1987 & After			
TOTAL	90,000		90,000

Effect on Current Budget

Debt Charges	19,300
Annual Costs	
TOTAL	19,300



FIVE YEAR CAPITAL BUDGET

227 .

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 23733

File Number: 811-06

Financial Report Page: 53

Appendix Page: A16

Project Description

Kelly Street Extension (across Park)
from Hamilton Street to Main Street
Watermain and Land

400 mm Diameter Trunk Watermain

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	
Construction	79,000
Other	
TOTAL	79,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	79,000
----------	--------

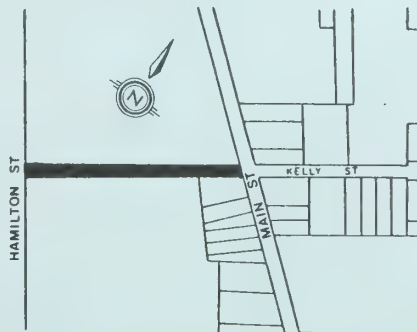
Amount to be Financed:	
Regional W.R.	79,000
Property Owners	
Other	
TOTAL	79,000

Need for Project

To reinforce the existing system to
permit full utilization of pumping
station and reservoirs at Kelly Street.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	79,000		79,000
1984			
1985			
1986			
1987 & After			
TOTAL	79,000		79,000

Effect on Current Budget

Debt Charges	16,900
Annual Costs	200
TOTAL	17,100



FIVE YEAR CAPITAL BUDGET

229

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 21728A

File Number: 804-05

Financial Report Page: 53

Appendix Page: A8

Project Description

DeWitt Road from Hwy. #8 to Barton
Street Trunk Watermain - Construction

600 mm Diameter Trunk Watermain

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	490,000
Other	
TOTAL	490,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost 490,000

Amount to be Financed:
Regional W.R. 490,000

Property Owners	
Other	
TOTAL	490,000

Need for Project

To supply water to reservoir W-H1C
on DeWitt Road.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983	170,000		170,000
1984	320,000		320,000
1985			
1986			
1987 & After			
TOTAL	490,000		490,000

Effect on Current Budget

Debt Charges	105,200
Annual Costs	2,000
TOTAL	107,200



FIVE YEAR CAPITAL BUDGET

230

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 21780A

File Number: 808-14

Financial Report Page: 53

Appendix Page: A16

Project Description

Hwy. 53 - 107 m West of Southcote Road to Fiddler's Green Road and on Fiddler's Green Road from Hwy. 53 to Cumming Court - Construction

400 mm Watermain - Hwy. 53 from Southcote Road to Fiddler's Green Road

Municipality

Ancaster

Capital Cost Estimate

Design	
Land	
Construction	1,100,000
Other	

TOTAL 1,100,000

Subsidy Contributions

TOTAL NIL

Net Cost

1,100,000

Amount to be Financed:

Regional W.R. 1,100,000

Property Owners 100,000

Other

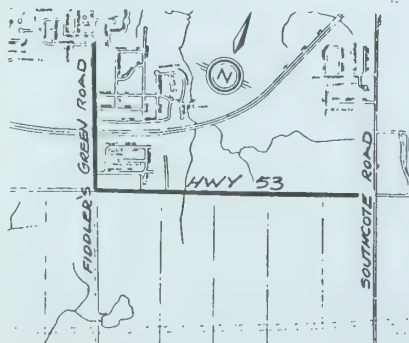
TOTAL 1,100,000

Need for Project

Phase II of improvements to Ancaster distribution system to supply water from Hamilton network.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983	500,000		500,000
1984	600,000	100,000	700,000
1985			
1986			
1987 & After			
TOTAL	1,100,000	100,000	1,200,000

Effect on Current Budget

Debt Charges 236,100

Annual Costs 7,000

TOTAL 243,100



FIVE YEAR CAPITAL BUDGET

231

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 23740

File Number:

Financial Report Page: 53

Appendix Page: A10

Project Description

Communal Water Supply System - Village of Linden

Well Drilling and System Design

Exploratory Well Drilling and Engineering
Design of Communal Water Supply System

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	100,000
TOTAL	100,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	100,000
----------	---------

Amount to be Financed:	
Regional W.R.	100,000
Property Owners	
Other	
TOTAL	100,000

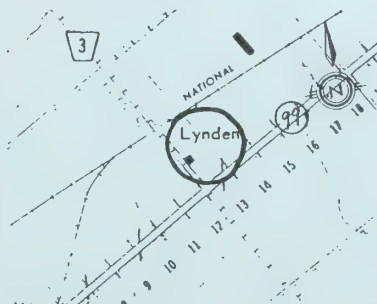
Need for Project

Village of Linden, with the population of 650 persons, is presently served by private individual wells. The water quality and supply from the present wells is poor.

Communal water supply is recommended for servicing the existing development.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983	50,000		50,000
1984	50,000		50,000
1985			
1986			
1987 & After			
TOTAL	100,000		100,000

Effect on Current Budget

Debt Charges	21,500
Annual Costs	N/A
TOTAL	21,500



FIVE YEAR CAPITAL BUDGET

232

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 23742

File Number:

Financial Report Page: 53

Appendix Page: A10

Project Description

Carlisle Elevated Water Reservoir -
Engineering and Land

3000 m³ Elevated Storage Tank

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	20,000
Construction	
Other - Engineering	50,000
TOTAL	70,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	70,000

Amount to be Financed:	
Regional W.R.	70,000
Property Owners	
Other	
TOTAL	70,000

Need for Project

To supply the Village of Carlisle.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	20,000		20,000
1984	50,000		50,000
1985			
1986			
1987 & After			
TOTAL	70,000		70,000

Effect on Current Budget

Debt Charges	15,000
Annual Costs	N/A
TOTAL	15,000



FIVE YEAR CAPITAL BUDGET

233

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 23743A

File Number:

Financial Report Page: 54

Appendix Page: All

Project Description

Barton Street from DeWitt Road to Jones Road - Construction

750 mm Trunk Watermain

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	1,300,000
Other	
TOTAL	1,300,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	1,300,000

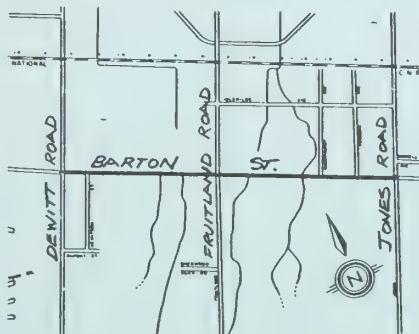
Amount to be Financed:	
Regional W.R.T.	1,300,000
Property Owners	
Other	
TOTAL	1,300,000

Need for Project

To provide service to industrial development and provide for road reconstruction.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983	600,000		600,000
1984	700,000		700,000
1985			
1986			
1987 & After			
TOTAL	1,300,000		1,300,000

Effect on Current Budget

Debt Charges	279,000
Annual Costs	4,000
TOTAL	283,000



FIVE YEAR CAPITAL BUDGET

234

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 23744

File Number:

Financial Report Page: 54

Appendix Page:

Project Description

Computer Control - Woodward Avenue
Water Treatment Plant

Upgrade and Repair Existing Control
System

Municipality

Capital Cost Estimate

Design	
Land	
Construction	1,200,000
Other	

TOTAL	1,200,000
-------	-----------

Subsidy
Contributions

TOTAL	NIL
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Net Cost	1,200,000
----------	-----------

Amount to be Financed:	
Regional W.R.	1,200,000
Property Owners	
Other	

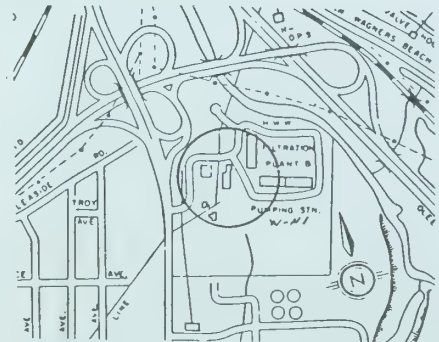
TOTAL	1,200,000
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Need for Project

To replace obsolete equipment and
reduce manpower.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983	600,000		600,000
1984	600,000		600,000
1985			
1986			
1987 & After			
TOTAL	1,200,000		1,200,000

Effect on Current Budget

Debt Charges	257,600
Annual Costs	
TOTAL	257,600



FIVE YEAR CAPITAL BUDGET

1982 - 1986

235

Department/Agency: Engineering

Function: Waterworks

Project Number: 23742A

File Number:

Financial Report Page: 54

Appendix Page: A10

Project Description

Carlisle Elevated Water Reservoir - Construction

300 m³ Elevated Storage Tank

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	
Construction	450,000
Other	
TOTAL	450,000

Subsidy M.O.E.	60,000
Contributions	100,000
TOTAL	160,000

Net Cost 290,000

Amount to be Financed:	
Regional W.R.	290,000
Property Owners	
Other	

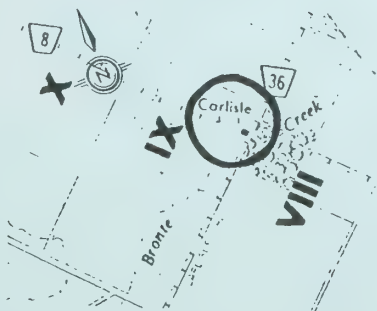
TOTAL 290,000

Need for Project

To supply the Village of Carlisle.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1984

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984	150,000		150,000
1985	140,000	160,000	300,000
1986			
1987 & After			
TOTAL	290,000	160,000	450,000

Effect on Current Budget

Debt Charges	62,300
Annual Costs	3,000
TOTAL	65,300



FIVE YEAR CAPITAL BUDGET

236

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 25748

File Number:

Financial Report Page: 54

Appendix Page: A16

Project Description

Pleasantview Water Supply Preliminary Engineering System Design, Soils Investigation, Estimate Preparation, and Assessment of Benefit

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	30,000
TOTAL	30,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	30,000

Amount to be Financed:	
Regional WRT	30,000
Property Owners	
Other	
TOTAL	30,000

Need for Project

The ground water supply in the area is unsatisfactory for existing development.

Municipality

Dundas

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	30,000		30,000
1986			
1987 & After			
TOTAL	30,000		30,000

Effect on Current Budget

Debt Charges	6,400
Annual Costs	N/A
TOTAL	6,400



FIVE YEAR CAPITAL BUDGET

237

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 23736

File Number: 816-28

Financial Report Page: 54

Appendix Page: A15

Project Description

Pumping Station W-H6B on Stone Church Road at Tunbridge Crescent - Engineering

2 Pumps rated at 660 L/Sec. and 50 m T.D.H. Space will be provided for one additional pump.

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	70,000
TOTAL	70,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	70,000
----------	--------

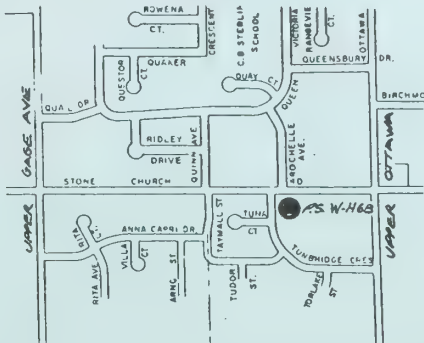
Amount to be Financed:	
Regional W.R.	70,000
Property Owners	
Other	
TOTAL	70,000

Need for Project

Demand project by new development within District W-H6 is expected to exceed firm pumping capacity of P.S. W-H6A by 1984.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1983

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	35,000		35,000
1986	35,000		35,000
1987 & After			
TOTAL	70,000		70,000

Effect on Current Budget

Debt Charges	15,000
Annual Costs	N/A
TOTAL	15,000



FIVE YEAR CAPITAL BUDGET

238

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 25746

File Number:

Financial Report Page: 54

Appendix Page: A16

Project Description

Lynden Water Supply

Pumping Equipment, Storage and Trunk Main

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	
Construction	1,000,000
Other	

TOTAL	1,000,000
-------	-----------

Subsidy M.O.E.	100,000
Contributions	

TOTAL	100,000
-------	---------

Net Cost	900,000
----------	---------

Amount to be Financed:	
Regional WRT	900,000
Property Owners	
Other	

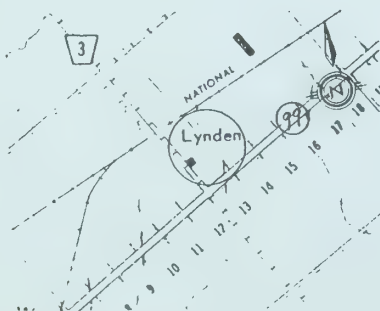
TOTAL	900,000
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Need for Project

To improve supply to existing development and service people now on individual systems.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	100,000		100,000
1986	800,000	100,000	900,000
1987 & After			
TOTAL	900,000	100,000	1,000,000

Effect on Current Budget

Debt Charges	193,200
Annual Costs	10,000
TOTAL	203,200



FIVE YEAR CAPITAL BUDGET

1982 - 1986

239

Department/Agency: Engineering

Function: Waterworks

Project Number: 25747

File Number:

Financial Report Page: 55

Appendix Page: A14

Project Description

Palm Court, Stoney Brook Drive,
Oakridge Drive and Glen Cannon Drive -
Watermain

1000 m of 300 mm & 400 mm Trunk
Watermain

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	264,000
Other	

TOTAL	264,000
-------	---------

Subsidy	
Contributions	NIL

TOTAL	NIL
-------	-----

Net Cost	264,000
----------	---------

Amount to be Financed:	
Regional WRT	264,000
Property Owners	
Other	

TOTAL	264,000
-------	---------

Need for Project

To interconnect pressure districts
to maintain reliable flow.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	64,000		64,000
1986	200,000		200,000
1987 & After			
TOTAL	264,000		264,000

Effect on Current Budget

Debt Charges	56,700
Annual Costs	2,000
TOTAL	58,700



FIVE YEAR CAPITAL BUDGET

1982 - 1986

240

Department/Agency: Engineering
Function: Waterworks

Project Number: 25750
File Number:

Financial Report Page: 55
Appendix Page: A10

Project Description

Surge Protection - Pumping Station W-H1
- Surge Valve and Elevated Tank -
Engineering

Municipality
Hamilton

Capital Cost Estimate

Design	
Land	
Construction	
Other - Engineering	50,000
TOTAL	50,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	50,000
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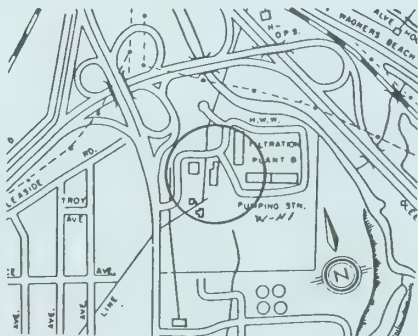
Amount to be Financed:	
Regional WRT	50,000
Property Owners	
Other	
TOTAL	50,000

Need for Project

To reduce the risk of high pressure
in watermains at pump stoppage.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	50,000		50,000
1986			
1987 & After			
TOTAL	50,000		50,000

Effect on Current Budget

Debt Charges	10,700
Annual Costs	1,000
TOTAL	11,700



FIVE YEAR CAPITAL BUDGET

241

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 25749

File Number:

Financial Report Page: 55

Appendix Page: A16

Project Description

Elevated Reservoir - Freelon -
Engineering and Land

3000 m³ Elevated Storage and Connection
and Land

Municipality

Flamborough

Capital Cost Estimate

Design	
Land	20,000
Construction	
Other - Engineering	50,000
TOTAL	70,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	70,000
----------	--------

Amount to be Financed:	
Regional W.R.	70,000
Property Owners	
Other	
TOTAL	70,000

Need for Project

To improve the reliability and fire
protection capability of the system.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	40,000		40,000
1986	30,000		30,000
1987 & After			
TOTAL	70,000		70,000

Effect on Current Budget

Debt Charges	15,000
Annual Costs	N/A
TOTAL	15,000



FIVE YEAR CAPITAL BUDGET

242

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 25749A
File Number:

Financial Report Page: 55
Appendix Page: A16

Project Description

Elevate Reservoir - Freelon -
Construction

3000 m³ Elevated Storage and Connection

Capital Cost Estimate

Design	
Land	
Construction	650,000
Other	
TOTAL	650,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	650,000
----------	---------

Amount to be Financed:	
Regional W.R.	650,000
Property Owners	
Other	
TOTAL	650,000

Need for Project

To improve the reliability and fire protection capability of the system.

Municipality

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	650,000		650,000
1987 & After			
TOTAL	650,000		650,000

Effect on Current Budget

Debt Charges	139,500
Annual Costs	
TOTAL	139,500



FIVE YEAR CAPITAL BUDGET

243

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 26741

File Number:

Financial Report Page: 55

Appendix Page: A10

Project Description

Pump and Standby Power for Well F4B
- Greenville

Pump to be installed in Existing Well
and connected to Existing Distribution
System - Standby Diesel and Building

Municipality

Capital Cost Estimate

Design	
Land	
Construction	200,000
Other	

TOTAL	200,000
-------	---------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost	200,000
----------	---------

Amount to be Financed:	
Regional W.R.	200,000
Property Owners	
Other	

TOTAL	200,000
-------	---------

Need for Project

To supply adequate amount of water
to Greenville area.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1986

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985			
1986	200,000		200,000
1987 & After			
TOTAL	200,000		200,000

Effect on Current Budget

Debt Charges	42,900
Annual Costs	
TOTAL	42,900



FIVE YEAR CAPITAL BUDGET

244

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 26742

File Number:

Financial Report Page: 55

Appendix Page: A17

Project Description

Engineering

Main Street - Emerson Avenue to Cootes Drive

Cootes Drive - Main Street to Olympic Drive

Olympic Drive - Cootes Drive to King Street

750 mm Ø Watermain

Municipality

Capital Cost Estimate

Design	
Land	
Construction	144,000
Other	144,000

TOTAL 144,000

Subsidy Contributions

TOTAL NIL

Net Cost 144,000

Amount to be Financed:
Regional W.R. 144,000

Property Owners
Other

TOTAL 144,000

Need for Project

Provide adequate water supply for Waterdown and relieve Dundas pumping station on Osler Drive.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1986

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985			
1986	144,000		144,000
1987 & After			
TOTAL	144,000		144,000

Effect on Current Budget

Debt Charges	30,900
Annual Costs	N/A
TOTAL	30,900



FIVE YEAR CAPITAL BUDGET

245

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 23736A

File Number: 816-28

Financial Report Page: 56

Appendix Page: A15

Project Description

Pumping Station W-H6B on Stone Church Road at Tunbridge Crescent - Construction

2 Pumps rated at 660 L/Sec. and 50 m T.D.H. Space will be provided for One Additional Pump

Municipality

Hamilton

Capital Cost Estimate

Design	
Land	
Construction	1,500,000
Other	

TOTAL 1,500,000

Subsidy M.O.E.	200,000
Contributions	

TOTAL 200,000

Net Cost	1,300,000
----------	-----------

Amount to be Financed:	
Regional W.R.	1,300,000
Property Owners	
Other	

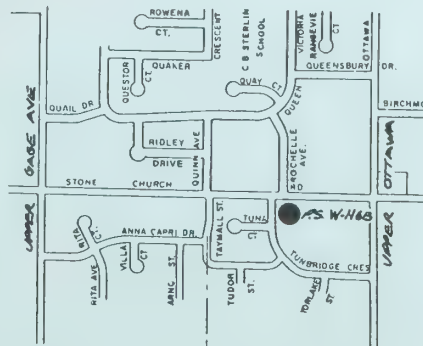
TOTAL 1,300,000

Need for Project

Demand created by new development within District W-H6 is expected to exceed firm pumping capacity of P.S. W-H6A by 1984.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985			
1986	300,000		300,000
1987 & After	1,000,000	200,000	1,200,000
TOTAL	1,300,000	200,000	1,500,000

Effect on Current Budget

Debt Charges	279,000
Annual Costs	10,000
TOTAL	289,000



FIVE YEAR CAPITAL BUDGET

246

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 22735

File Number: 819-38

Financial Report Page: 56

Appendix Page:

Project Description

Stone Church Road Trunk Watermain - Upper
Ottawa Street to Upper Gage -
Construction

1200 mm Watermain on Stone Church Road
from Upper Ottawa Street to P.S. W-H6B

900 mm Watermain on Stone Church Road

Municipality

Capital Cost Estimate

Design	
Land	
Construction	890,000
Other	
TOTAL	890,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	890,000

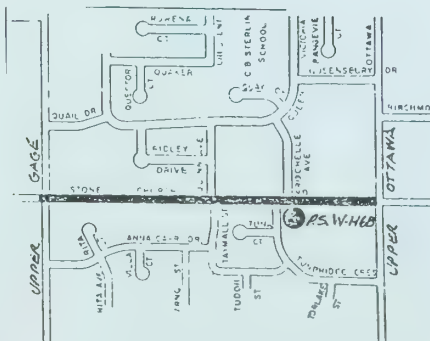
Amount to be Financed:	
Regional W.R.	890,000
Property Owners	
Other	
TOTAL	890,000

Need for Project

Trunk watermain to be constructed
in conjunction with pumping station
W-H6B.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1985

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	100,000		100,000
1987 & After	790,000		790,000
TOTAL	890,000		890,000

Effect on Current Budget

Debt Charges	191,000
Annual Costs	
TOTAL	191,000



FIVE YEAR CAPITAL BUDGET

247

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 25750A

File Number:

Financial Report Page: 56

Appendix Page: A10

Project Description

Surge Protection @ Pumping Station W-H1
- Construction

Surge Valve and Elevated Tank

Municipality

Capital Cost Estimate

Design	
Land	
Construction	1,500,000
Other	

TOTAL	1,500,000
-------	-----------

Subsidy
Contributions

TOTAL	NIL
-------	-----

Net Cost	1,500,000
----------	-----------

Amount to be Financed:	
Regional W.R.	1,500,000
Property Owners	
Other	

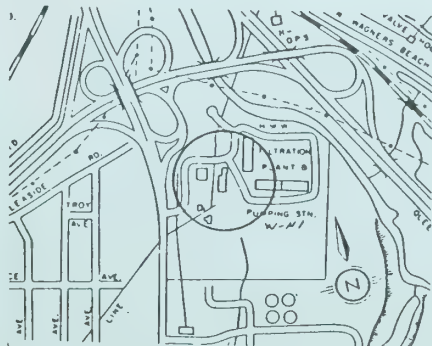
TOTAL	1,500,000
-------	-----------

Need for Project

To reduce the risk of high pressures in watermain at pump stoppage.

Additional Information

Map to Locate Project



Cash Flow

O.M.B. Required 1986

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985			
1986	500,000		500,000
1987 & After	1,000,000		1,000,000
TOTAL	1,500,000		1,500,000

Effect on Current Budget

Debt Charges	322,000
Annual Costs	
TOTAL	322,000



FIVE YEAR CAPITAL BUDGET

248

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 30000-F
File Number:

Financial Report Page: 57 & 62
Appendix Page:

Project Description

Suburban Watermains - 1981
Local Watermains on Various Streets to be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	564,000
Other	
TOTAL	564,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	564,000

Amount to be Financed:	
Regional W.R.	364,000
Property Owners	200,000
Other	
TOTAL	564,000

Need for Project

To provide service to partially developed areas.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1981
Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget	364,000	200,000	564,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	364,000	200,000	564,000

Effect on Current Budget

Debt Charges	_____
Annual Costs	_____
TOTAL	_____



FIVE YEAR CAPITAL BUDGET

249

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 30000-G

File Number:

Financial Report Page: 57 & 62

Appendix Page:

Project Description

Suburban Watermains - 1982

Local Watermains on Various Streets to be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	400,000
Other	
TOTAL	400,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	400,000

Amount to be Financed:	
Regional W.R.	200,000
Property Owners	200,000
Other	
TOTAL	400,000

Need for Project

To provide service to partially developed areas.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982	100,000	100,000	200,000
1983	100,000	100,000	200,000
1984			
1985			
1986			
1987 & After			
TOTAL	200,000	200,000	400,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

250

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 30000-H
File Number:

Financial Report Page: 57 & 62
Appendix Page:

Project Description

Suburban Watermains - 1983

Local Watermains on Various Streets
to be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	400,000
Other	
TOTAL	400,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	400,000

Amount to be Financed:	
Regional W.R.	200,000
Property Owners	200,000
Other	
TOTAL	400,000

Need for Project

To provide service to partially
developed areas.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	100,000	100,000	200,000
1984	100,000	100,000	200,000
1985			
1986			
1987 & After			
TOTAL	200,000	200,000	400,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

251

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 30000-I

File Number:

Financial Report Page: 57 & 62

Appendix Page:

Project Description

Suburban Watermains - 1984

Local Watermains on Various Streets
to be approved by Council

Capital Cost Estimate

Design	
Land	
Construction	400,000
Other	
TOTAL	400,000

Subsidy	
Contributions	
TOTAL	NIL
Net Cost	400,000

Amount to be Financed:	
Regional W.R.	200,000
Property Owners	200,000
Other	
TOTAL	400,000

Need for Project

To provide service to partially
developed areas.

Municipality

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1984

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984	100,000	100,000	200,000
1985	100,000	100,000	200,000
1986			
1987 & After			
TOTAL	200,000	200,000	400,000

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

252

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 30000-J
File Number:

Financial Report Page: 57 & 62
Appendix Page:

Project Description

Suburban Watermains - 1985
Local Watermains on Various Streets
to be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	400,000
Other	
TOTAL	400,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost	400,000
----------	---------

Amount to be Financed:	
Regional W.R.	200,000
Property Owners	200,000
Other	
TOTAL	400,000

Need for Project

To provide service to partially
developed areas.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985	100,000	100,000	200,000
1986	100,000	100,000	200,000
1987 & After			
TOTAL	200,000	200,000	400,000

Effect on Current Budget

Debt Charges	_____
Annual Costs	_____
TOTAL	_____



FIVE YEAR CAPITAL BUDGET

253

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 30000-K

File Number:

Financial Report Page: 58 & 63

Appendix Page:

Project Description

Suburban Watermains - 1986

Local Watermains on Various Streets
to be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	400,000
Other	
TOTAL	400,000

Subsidy	
Contributions	
TOTAL	NIL

Net Cost 400,000

Amount to be Financed:	
Regional W.R.	200,000
Property Owners	200,000
Other	
TOTAL	400,000

Need for Project

To provide service to partially
developed areas.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983			
1984			
1985			
1986	100,000	100,000	200,000
1987 & After	100,000	100,000	200,000
TOTAL	200,000	200,000	400,000

Effect on Current Budget

Debt Charges	_____
Annual Costs	_____
TOTAL	_____



FIVE YEAR CAPITAL BUDGET

254

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 28810-0

File Number:

Financial Report Page: 59 & 64

Appendix Page:

Project Description

Rated Watermains and Minor Improvements - 1981

Local Watermains on Various Streets to be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	1,500,000
Other	
TOTAL	1,500,000

Subsidy	
Contributions O.P.F.P.	100,000
TOTAL	100,000
Net Cost	1,400,000

Amount to be Financed:	
Regional W.R.	700,000
Property Owners	700,000
Other	
TOTAL	1,400,000

Need for Project

To provide for Local Improvement Act watermains and minor works generally associated with road construction.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1981

Expenditures:

	Region	Other Contrib	Total
Prior To Budget	700,000	800,000	1,500,000
1982			
1983			
1984			
1985			
1986			
1987 & After			
TOTAL	700,000	800,000	1,500,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

255

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 28810-P

File Number:

Financial Report Page: 59 & 64

Appendix Page:

Project Description

Rated Watermains and Minor Improvements - 1982

Local Watermains on Various Streets to be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,800,000
Other	

TOTAL	2,800,000
-------	-----------

Subsidy	
Contributions O.P.F.P.	100,000

TOTAL	100,000
-------	---------

Net Cost	2,700,000
----------	-----------

Amount to be Financed:	
Regional W.R.	800,000
Property Owners C.F.	700,000
Other	1,300,000

TOTAL	2,700,000
-------	-----------

Need for Project

See Item 28810-0

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1982

Expenditures;

	Region	Other Contrib	Total
Prior To Budget			
1982	800,000	600,000	1,400,000
1983	700,000	700,000	1,400,000
1984			
1985			
1986			
1987 & After			
TOTAL	1,500,000	1,300,000	2,800,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

256

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 28810-Q

File Number:

Financial Report Page: 59 & 64

Appendix Page:

Project Description

Rated Watermains and Minor Improvements
- 1983

Local Watermains on Various Streets to
be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,400,000
Other	

TOTAL	2,400,000
-------	-----------

Subsidy	
Contributions O.P.F.P.	100,000
TOTAL	100,000

Net Cost	2,300,000
----------	-----------

Amount to be Financed:	
Regional	1,100,000
Property Owners	1,200,000
Other	

TOTAL	2,300,000
-------	-----------

Need for Project

See Item 28810-0.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1983

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983	500,000	600,000	1,100,000
1984	600,000	700,000	1,300,000
1985			
1986			
1987 & After			
TOTAL	1,100,000	1,300,000	2,400,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

257

1982 - 1986

Department/Agency: Engineering

Function: Waterworks

Project Number: 28810-R

File Number:

Financial Report Page: 59 & 65

Appendix Page:

Project Description

Rated Watermains and Minor Improvements
- 1984

Local Watermains on Various Streets to
be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,400,000
Other	
TOTAL	2,400,000

Subsidy	
Contributions O.P.F.P.	100,000
TOTAL	100,000

Net Cost	2,300,000
----------	-----------

Amount to be Financed:	
Regional W.R.	1,100,000
Property Owners	1,200,000
Other	
TOTAL	2,300,000

Need for Project

See Item 28810-O.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1984

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984	500,000	600,000	1,100,000
1985	600,000	700,000	1,300,000
1986			
1987 & After			
TOTAL	1,100,000	1,300,000	2,400,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

258

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 28810-S
File Number:

Financial Report Page: 59 & 65
Appendix Page:

Project Description

Rated Watermain and Minor Improvements
- 1985

Local Watermains on Various Streets
to be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,400,000
Other	

TOTAL 2,400,000

Subsidy	
Contributions O.P.F.P.	100,000

TOTAL 100,000

Net Cost 2,300,000

Amount to be Financed:	
Regional W.R.	1,100,000
Property Owners	1,200,000
Other	

TOTAL 2,300,000

Need for Project

See Item 28810-0.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1985

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985	600,000	600,000	1,200,000
1986	500,000	700,000	1,200,000
1987 & After			
TOTAL	1,100,000	1,300,000	2,400,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

259

1982 - 1986

Department/Agency: Engineering
Function: Waterworks

Project Number: 28810-T
File Number:

Financial Report Page: 59 & 65
Appendix Page:

Project Description

Rated Watermains and Minor Improvements
- 1986

Local Watermains on Various Streets to
be approved by Council

Municipality

Capital Cost Estimate

Design	
Land	
Construction	2,400,000
Other	
TOTAL	2,400,000

Subsidy	
Contributions	100,000
TOTAL	100,000
Net Cost	2,300,000

Amount to be Financed:	
Regional W.R.	1,100,000
Property Owners	1,200,000
Other	
TOTAL	2,300,000

Need for Project

To provide for Local Improvement Act
watermains and minor works generally
associated with road construction.

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required 1986

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982			
1983			
1984			
1985			
1986	600,000	600,000	1,200,000
1987 & After	500,000	700,000	1,200,000
TOTAL	1,100,000	1,300,000	2,400,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

260

1982 - 1986

Department/Agency: Engineering
Function: Sewage and Water Works

Project Number: 33901
File Number:

Financial Report Page: 66
Appendix Page:

Project Description

OHC Sewer, Saltfleet Community
Development (to be adjusted for
1974)

Municipality

Stoney Creek

Capital Cost Estimate

Design	
Land	
Construction	4,580,000
Other	
TOTAL	4,580,000

Subsidy	
Contributions L.L.	4,580,000
TOTAL	4,580,000

Net Cost	NIL
----------	------------

Amount to be Financed:	
Regional	
Property Owners	
Other	
TOTAL	

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

	<u>Region</u>	<u>Other</u> <u>Contrib</u>	<u>Total</u>
Prior To Budget			
1982		4,580,000	
1983			
1984			
1985			
1986			
1987 & After			
TOTAL		4,580,000	

Effect on Current Budget

Debt Charges	
Annual Costs	
TOTAL	



FIVE YEAR CAPITAL BUDGET

261

1982 - 1986

Department/Agency: Engineering
Function: Sewage and Water Works

Project Number: 38239
File Number:

Financial Report Page: 66
Appendix Page:

Project Description

OHC Sewer, East Mountain, Satellite
City (to be adjusted for 1974)

Municipality

Hamilton

Capital Cost Estimate

Design
Land
Construction 9,246,000
Other

TOTAL 9,246,000

Subsidy
Contributions L.L. 9,246,000

TOTAL 9,246,000

Net Cost NIL

Amount to be Financed:
Regional
Property Owners
Other

TOTAL

Need for ProjectAdditional InformationMap to Locate ProjectCash Flow

O.M.B. Required Received
Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget		1,613,000	
1982		7,633,000	
1983			
1984			
1985			
1986			
1987 & After			

TOTAL 9,246,000

Effect on Current Budget

Debt Charges

Annual Costs

TOTAL



FIVE YEAR CAPITAL BUDGET

262

1982 - 1986

<p>Function: Transit</p>	<p>Project Number: T1001</p> <p>File Number:</p>	<p>Financial Report Page: 67</p> <p>Appendix Page:</p>																																										
<p><u>Project Description</u></p> <p>Construction of Mountain Garage</p> <p><u>Municipality</u></p>	<p><u>Capital Cost Estimate</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Design</td> <td style="width: 40%; text-align: right;">400,000</td> </tr> <tr> <td>Land</td> <td></td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">10,900,000</td> </tr> <tr> <td>Other</td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">11,300,000</td> </tr> <tr> <td>Subsidy M.T.C.</td> <td style="text-align: right;">8,475,000</td> </tr> <tr> <td>Contributions</td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">8,475,000</td> </tr> <tr> <td>Net Cost</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">2,825,000</td> </tr> <tr> <td colspan="2">Amount to be Financed:</td> </tr> <tr> <td>Regional Transit</td> <td style="text-align: right;">2,825,000</td> </tr> <tr> <td>Property Owners</td> <td></td> </tr> <tr> <td>Other</td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">2,825,000</td> </tr> </table>	Design	400,000	Land		Construction	10,900,000	Other		TOTAL	11,300,000	Subsidy M.T.C.	8,475,000	Contributions		TOTAL	8,475,000	Net Cost	2,825,000	Amount to be Financed:		Regional Transit	2,825,000	Property Owners		Other		TOTAL	2,825,000	<p><u>Need for Project</u></p> <p>To provide expansion of present vehicle storage and repair facilities.</p>														
Design	400,000																																											
Land																																												
Construction	10,900,000																																											
Other																																												
TOTAL	11,300,000																																											
Subsidy M.T.C.	8,475,000																																											
Contributions																																												
TOTAL	8,475,000																																											
Net Cost	2,825,000																																											
Amount to be Financed:																																												
Regional Transit	2,825,000																																											
Property Owners																																												
Other																																												
TOTAL	2,825,000																																											
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FIVE YEAR CAPITAL BUDGET

263

1982 - 1986

<p>Function: Transit</p>	<p>Project Number: T1002</p> <p>File Number:</p>	<p>Financial Report Page: 67</p> <p>Appendix Page:</p>																																										
<p><u>Project Description</u></p> <p>Trolley Coach Rehabilitation</p> <p><u>Municipality</u></p>	<p><u>Capital Cost Estimate</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Design</td> <td style="width: 10%;"></td> <td style="width: 30%; text-align: right;">885,000</td> </tr> <tr> <td>Land</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">885,000</td> </tr> <tr> <td>Subsidy M.T.C.</td> <td></td> <td style="text-align: right;">664,000</td> </tr> <tr> <td>Contributions</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">664,000</td> </tr> <tr> <td>Net Cost</td> <td></td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">221,000</td> </tr> <tr> <td>Amount to be Financed:</td> <td></td> <td></td> </tr> <tr> <td>Regional Transit</td> <td></td> <td style="text-align: right;">221,000</td> </tr> <tr> <td>Property Owners</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td></td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">221,000</td> </tr> </table>	Design		885,000	Land			Construction			Other			TOTAL		885,000	Subsidy M.T.C.		664,000	Contributions			TOTAL		664,000	Net Cost		221,000	Amount to be Financed:			Regional Transit		221,000	Property Owners			Other			TOTAL		221,000	<p><u>Need for Project</u></p> <p>Trolley coach repair and maintenance is required to extend the useful life of the vehicles.</p> <p><u>Additional Information</u></p> <p>It is anticipated that the net financing will be met from the H.S.R. operating budgets of future years.</p>
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FIVE YEAR CAPITAL BUDGET

264

1982 - 1986

Function: Transit

Project Number: T1003

Financial Report Page: 67

File Number:

Appendix Page:

Project Description

Control and Communication System

Municipality

Capital Cost Estimate

Design	
Land	
Construction	
Other	5,150,000
TOTAL	5,150,000

Subsidy M.T.C.	4,329,000
Contributions	
TOTAL	4,329,000

Net Cost	821,000
----------	---------

Amount to be Financed:	
Regional Transit	821,000
Property Owners	
Other	
TOTAL	821,000

Need for Project

Additional Information

It is anticipated that the net financing will be met from the H.S.R. operating budgets of future years.

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	435,000	1,305,000	1,740,000
1983	283,000	849,000	1,132,000
1984	103,000	309,000	412,000
1985			
1986			
1987 & After			
TOTAL	821,000	4,239,000	5,150,000

Effect on Current Budget

Debt Charges	176,200
Annual Costs	
TOTAL	176,200



FIVE YEAR CAPITAL BUDGET

265

1982 - 1986

Function: Transit

Project Number: T1004

Financial Report Page: 67

File Number:

Appendix Page:

Project Description

Purchase of Articulated Buses

Capital Cost Estimate

Design	
Land	
Construction	
Other	600,000
TOTAL	600,000

Subsidy M.T.C.	450,000
Contributions	
TOTAL	450,000

Net Cost	150,000
----------	---------

Amount to be Financed:	
Regional Transit	150,000
Property Owners	
Other	
TOTAL	150,000

Need for Project

Municipality

Additional Information

Acquisition anticipated for 1982.

Payment at depreciated cost in 1985.

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures: Other
Region Contrib Total

Prior To Budget			
1982			
1983			
1984	150,000	450,000	600,000
1985			
1986			
1987 & After			
TOTAL	150,000	450,000	600,000

Effect on Current Budget

Debt Charges 32,200

Annual Costs

TOTAL 32,200



FIVE YEAR CAPITAL BUDGET

266

Function: Transit

Project Number: T1005

Financial Report Page: 67

File Number:

Appendix Page:

Project Description

Route Extension, Substations and New
Trolley Coaches - Stoney Creek

Municipality

Capital Cost Estimate

Design	
Land	
Construction	1,200,000
Other	800,000
TOTAL	2,000,000

Subsidy M.T.C.	1,800,000
Contributions	
TOTAL	1,800,000

Net Cost	200,000
----------	---------

Amount to be Financed:	
Regional	200,000
Property Owners	
Other	
TOTAL	200,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required

Expenditures:

Prior To Budget	Region	Other Contrib	Total
1982			
1983			
1984			
1985	200,000	1,800,000	2,000,000
1986			
1987 & After			
TOTAL	200,000	1,800,000	2,000,000

Effect on Current Budget

Debt Charges 42,900

Annual Costs

TOTAL 42,900



FIVE YEAR CAPITAL BUDGET

267

1982 - 1986

Function: Transit

Project Number: T1006

Financial Report Page: 67

File Number:

Appendix Page:

Project Description

Reconstruction of 18 Wentworth Street
Garage and Headquarters

Municipality

Capital Cost Estimate

Design	300,000
Land	150,000
Construction	9,000,000
Other	

TOTAL 9,450,000

Subsidy M.T.C.	7,088,000
Contributions	

TOTAL 7,088,000

Net Cost	2,362,000
----------	-----------

Amount to be Financed:	
Regional Transit	2,362,000
Property Owners	
Other	

TOTAL 2,362,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	Region	Other Contrib	Total
Prior To Budget			
1982	30,000	90,000	120,000
1983	120,000	360,000	480,000
1984	962,000	2,888,000	3,850,000
1985	1,250,000	3,750,000	5,000,000
1986			
1987 & After			

TOTAL 2,362,000 7,088,000 9,450,000

Effect on Current Budget

Debt Charges	507,000
--------------	---------

Annual Costs

TOTAL 507,000



FIVE YEAR CAPITAL BUDGET

268

1982 - 1986

Function: Transit

Project Number: T1007

Financial Report Page: 68

File Number:

Appendix Page:

Project Description

Acquisition of Buses

Municipality

Capital Cost Estimate

Design	
Land	
Construction	
Other	6,608,000
TOTAL	6,608,000
Subsidy M.T.C.	4,958,000
Contributions	
TOTAL	4,958,000
Net Cost	1,518,000
Amount to be Financed:	
Regional Transit	1,652,000
Property Owners	
Other	
TOTAL	1,652,000

Need for Project

Additional Information

Year	Buses Required
1983	9
1984	10
1985	15
1986	12
	46

Map to Locate Project

Cash Flow

O.M.B. Required	Received	
Expenditures:		
Prior	Region	Other
To Budget		Contrib
		Total
1982		
1983	297,000	891,000
1984	330,000	990,000
1985	495,000	1,485,000
1986	530,000	1,590,000
1987 & After		2,120,000
TOTAL	1,652,000	4,958,000
		6,608,000

Effect on Current Budget

Debt Charges	325,900
Annual Costs	
TOTAL	325,900



FIVE YEAR CAPITAL BUDGET

269

1982 - 1986

Function: Transit

Project Number: T1008

Financial Report Page: 68

File Number:

Appendix Page:

Project Description

Fare Box System Update

Municipality

Capital Cost Estimate

Design	
Land	
Construction	
Other	1,500,000
TOTAL	1,500,000

Subsidy M.T.C.	1,200,000
Contributions	
TOTAL	1,200,000

Net Cost	300,000
----------	---------

Amount to be Financed:	
Regional Transit	300,000
Property Owners	
Other	
TOTAL	300,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

	<u>Region</u>	<u>Other Contrib</u>	<u>Total</u>
Prior To Budget			
1982			
1983	180,000	720,000	900,000
1984	120,000	480,000	600,000
1985			
1986			
1987 & After			
TOTAL	300,000	1,200,000	1,500,000

Effect on Current Budget

Debt Charges	64,400
Annual Costs	
TOTAL	64,400



FIVE YEAR CAPITAL BUDGET

1982 - 1986

270

FUNCTION: Transit

Project Number: T1009

Financial Report Page: 68

File Number:

Appendix Page:

Project Description

Trolley Coach Substation Control

Municipality

Capital Cost Estimate

Design	
Land	
Construction	
Other	150,000
TOTAL	150,000

Subsidy M.T.C.	135,000
Contributions	
TOTAL	135,000
Net Cost	15,000

Amount to be Financed:	
Regional Transit	15,000
Property Owners	
Other	
TOTAL	15,000

Need for Project

Additional Information

Map to Locate Project

Cash Flow

O.M.B. Required Received

Expenditures:

Prior	Region	Other	Total
To Budget		Contrib	
1982			
1983			
1984		30,000	30,000
1985	15,000	105,000	120,000
1986			
1987 & After			
TOTAL	15,000	135,000	150,000

Effect on Current Budget

Debt Charges	3,200
Annual Costs	
TOTAL	3,200

HAMILTON PUBLIC LIBRARY



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